

# American Vegetable Grower

JULY

1954



**DIRECTORY NUMBER**

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Vol. 2

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# American VEGETABLE GROWER

REG. U. S. PAT. OFF.

(Commercial Vegetable Grower)

Vol. 2 July, 1954 No. 7

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E. G. K. MEISTER  
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Editorial Staff

R. T. MEISTER ELDON S. BANTA  
E. K. GOULD M. A. FRAZIER  
R. L. CAROLUS M. P. RASMUSSEN  
H. B. TUKEY

Advertising Manager  
EDWARD L. MEISTER

## BRANCH OFFICES AND REPRESENTATIVES

CHICAGO, Peck and Billingslea, Inc., 185 No. Wabash. Phone-Dearborn 2-0292  
NEW YORK, Martin-Snow Co., Suite C904, 140 E. 46th St. Phone-Plaza 5-0678  
PHILADELPHIA, Clayton S. Staley, Jr., 1138 Lincoln Liberty Bldg. Phone-Locust 7-7448  
SAN FRANCISCO, McDonald-Thompson, 625 Market St. Phone-Yukon 6-0647  
LOS ANGELES, McDonald-Thompson, 3727 West 6th St. Phone-Dunkirk 7-5391  
SEATTLE, McDonald-Thompson, Terminal Sales Bldg. Phone-Main 3860  
HOUSTON, McDonald-Thompson, 3217 Montrose Blvd. Phone-Lynchburg 6711  
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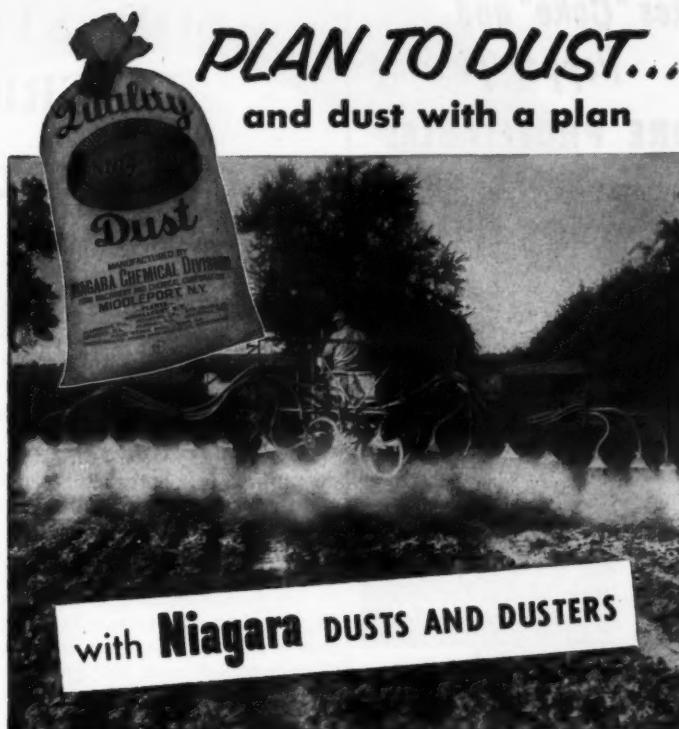
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JULY, 1954

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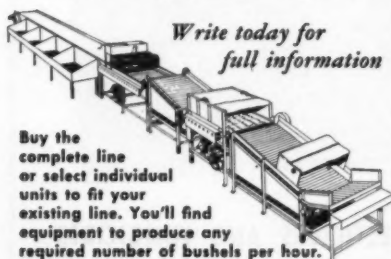
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## SOIL STERILIZATION IN GREENHOUSES

Growers get latest news on many important tests during Ohio's Annual Greenhouse Day

By **ELDON S. BANTA**

**ANNUAL** Greenhouse Vegetable Day was held at the Ohio Agricultural Experiment Station in Wooster on May 6. The 150 growers in attendance heard the latest news on greenhouse soils and fertilization, varieties, and pest control.

Dr. F. S. Howlett, head of Ohio's department of horticulture, pointed out that a temperature difference of only 10 degrees in a greenhouse soil can mean the difference between good growth of tomatoes and poor growth. In his discussion of greenhouse soils, Dr. Howlett demonstrated tests which clearly showed that steam sterilization of soils makes more nitrogen and potash available to plants.

### Sterilization Releases Elements

Dr. W. G. Martin, agronomist at the Ohio station, has been doing research on greenhouse soils. He has found that the element manganese is released in great amounts under sterilization. Often he found the element existing in sterilized soils in soluble form from 60 to 70 times the normal amount. This concentration is toxic to tomato plants.

Reports of tests with various mulching materials on tomatoes revealed that practically any mulch material will increase yields. Clover chaff produced the lowest yields when compared with strawy manure and peanut hulls. Organic matter content of soils was increased one-half to one per cent under mulches.

The mulches seemed to have little effect upon relieving the toxic effects of such elements as manganese, although plants showed a lower manganese content under mulch. Potash was found to build up in soils under continuous mulch to the extent that this element is not needed in fertilizers where heavy mulching is practiced.

Peanut hulls are the highest in potash.

Dr. J. A. Alexander discussed the tomato breeding program at the Ohio station, emphasizing the tedious work underway to produce wilt-resistant varieties. Rutgers is one of the best tomato types he has found to use in making tomato crosses. The new Ohio W-R-3 is an example of a superior variety resulting from Dr. Alexander's work.

Insect control in the greenhouse is advancing rapidly, according to Dr. R. B. Neiswander's report. This station entomologist pointed out that parathion kills white flies on cucumbers in one application, and that two applications of the safer materials malathion and lindane will do the same.

Dr. H. C. Young, station plant pathologist, said the first step in disease control is careful handling of every job in the greenhouse. The bright spot in the future of plant disease control, said Dr. Young, lies in the use of antibiotics.

### Temperatures and Production

The importance of regulating day and night temperatures in the greenhouse for maximum tomato production was emphasized by Dr. E. K. Alban. Optimum temperatures seem to be a night temperature of 50° for the first six weeks and 62° for the remainder of the time. Plants grown under this temperature combination produced 12.5 pounds of fruit per plant. Plants held at 60° yielded nine pounds and those at 70° dropped to seven pounds total yield per plant.

Alban pointed out further the necessity of using a slightly higher night temperature when days are bright and a slightly lower temperature when days are cloudy. The low temperature of 50° for the first six weeks is important because it improves set on the first and second clusters.



Scene of Ohio's Annual Greenhouse Vegetable Day at Wooster which attracted 150 growers.

**AMERICAN VEGETABLE GROWER**

**JULY, 1954**



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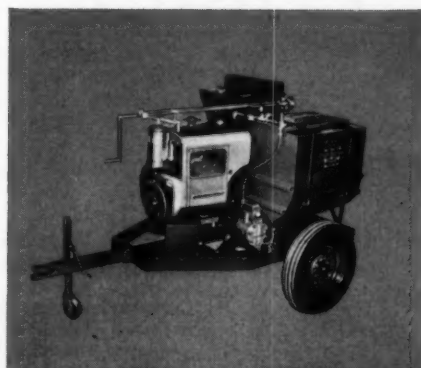
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**MALATHION\***  
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*simpler*  
*and*  
*easier!*



**Write for  
MALATHION GROWER'S GUIDE**

Contains complete list of USDA-accepted claims for malathion—crops, insects, suggested dosages.

Malathion insecticides are available from well-known manufacturers. Consult your local agricultural authorities for suggestions on dosages and application procedures.

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**Broad effectiveness.** Malathion is now one of the most widely effective of *all* insecticides—and the list of USDA-accepted claims for malathion continues to grow . . . now exceeds 75 different insects on more than 30 different crops.

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**Compatibility.** Malathion is compatible with most other spray materials.

**Quickly disappearing residues.** Malathion residues on crops are generally less than 1.0 part per million ten days after last application.

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**So find out, now,** how *you* can simplify your insect control problems, to farm more easily and more profitably . . . with malathion.



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Manufacturer of Malathion Technical  
AGRICULTURAL CHEMICALS DIVISION  
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*Now*

# A BUYER'S GUIDE FOR THE VEGETABLE FARM

**T**HERE is nothing so exasperating as when you have an urgent need for equipment or supplies and cannot find what is available or where to buy it. We have that experience almost daily but from a slightly different standpoint. When readers have the problem of not knowing a source of supply they write us. Then we dig out the information and send it to them.

To simplify matters all around we have compiled what we think is a complete listing of manufacturers of equipment and supplies needed by vegetable growers. This Buyer's Guide is published in this issue. The Index to the listings of manufacturers starts on page 14.

Here is how the Index will prove of value to you. If you want to know, for example, who manufactures the new fungicide, captan, you look in the Index under captan, which will refer you to the page in the Buyer's Guide on which are listed the names and addresses of the manufacturers. Or maybe you need a topping machine. Just check the Index and you will learn on which page the manufacturers are listed.

Trade names of products are not listed in the Index or in the Buyer's Guide. If, therefore, you are looking for a source of supply of, say, Hotkaps, which is a trade name, you will have to refer in the Index to the classification Frost Protection or Plant Protectors. Or, what might prove to be more advantageous, page through the Buyer's Guide section until you

come to the listings you want. In doing so, you may come across other products for which you have been looking.

The Buyer's Guide will also help you make wise decisions. Numerous manufacturers of a piece of equipment are listed in most instances. By simply dropping a card to each and asking for details and specifications of their products, you will have the facts upon which to make the best purchase especially suited to your vegetable growing enterprise.

We suggest, too, that you study the advertisements in the Buyer's Guide as well as in the balance of the issue, for they contain much factual information for prospective buyers.

The trend of the times is revolutionizing the vegetable industry through mechanization of cultural and harvesting operations and in merchandising. It is a time when everyone must be keyed to the tempo of fast-moving changes. The Buyer's Guide is another attempt of AMERICAN VEGETABLE GROWER to keep you up-to-date.

We request that you use your Directory Issue until we publish a new one a year from now. But since we expect to have a few growing pains until we get the Buyer's Guide into as nearly perfect shape as is humanly possible, we urge that you let us know what we have left out or how the Index and listings can be improved. We will endeavor to incorporate such changes in next year's Directory Number.



# MELONS *for* PROFIT



How New York's Allen Hand worked out a rotation that changed the "worst farm in Washington County" to one of the best

By WILLIAM GILMAN

At muskmelon harvesttime the Hand packing house becomes an "assembly line" for 5,000 bushels a year. Here Allen F. Hand (right) is joined by his partner son, A. Allen Hand, in sorting. Only top quality melons receive the trademark label—an upraised hand printed in red.

ON a sandy farm that used to be a heartbreaker, Allen F. Hand and his partner son, A. Allen Hand, Greenwich, N.Y., have worked out a prosperous combination of crops that shows what patient and intelligent farming can accomplish.

Their main income is from muskmelons which are famous in the region and shipped throughout the United States. But behind the melons and other products is the farm's real workhorse—alfalfa, used in a faithful rotation program.

For example, it works in nicely with having a dairy herd, too. How do milk and melons mix? Just fine. In fact, one of Hand's best recipes for good melons is cow manure—both out in the field and in the hotbeds before setting-out time.

To appreciate how Hand has whipped poor soil, it should be realized that when his father, a retired city businessman, bought the place in 1910, he was pitied for owning "the worst farm in Washington County." He died the following year and Allen, then 18, began farming the hard way.

In the past 28 years that he and his own son have backed melons with

alfalfa, adding side crops like asparagus and squash when they fit the program, the farm has become one of the county's show places.

Supplying a roadside stand, local markets, and big-city hotels, it also expresses melons to a private list of satisfied customers who last year paid an f.o.b. price of \$7.50 per 40-pound basket of trademarked melons.

That trademark was a real inspiration. You see it on the roadside stand, on every melon—and nobody can doubt from the label that it's a Hand melon. Painted on the label is a circle enclosing an upraised red hand.

The farm totals 360 acres, including an 80-acre woodlot. It normally milks 21 registered Holsteins, and A. Allen has added a 3,000-bird flock of hens on his own. Melons lead the parade.

The partners use 100 acres in this rotation: alfalfa, three years; melons, one year; corn, one year; back to alfalfa again.

This means 20 melon acres a year, averaging half their farm income from the crop of around 5,000 bushels. In the alfalfa sod plowed under the previous fall, they produce anywhere from 150 to 500 bushels an acre, with the aid of 15 tons of cow

manure and a half ton of 5-10-10 commercial fertilizer.

It all dovetails nicely, Hand explains. The rotation gives around 140 tons alfalfa. With ensilage and grain, this feeds cattle.

The dairy herd is a topnotcher and is depended on to pay a large part of the farm's labor bills. There are three year-round hired men plus a half dozen more at melon planting and picking time.

When the market looked good, he has raised 70 tons of winter squash a year as long as he could harvest them late without breaking in on melon-picking time. They were grown on rented land almost a mile away—less trouble that way from the striped cucumber beetle.

His steadiest side income is from three acres of asparagus. For many years he also grew cucumbers. Two rows of early cukes—a July cash crop—were planted between every 15 rows of melons. Early cabbage has been another cash crop.

The program has grown through planning plus stubborn effort to make the farm go. Hand recalls grimly that he had tried rye, potatoes, Guernsey butter—and even raising cucumber seed—in efforts to make the place

The hotbeds shown in photograph on facing page are made by Germain's, Inc., Germain Products Div., 741-747 Terminal St., Los Angeles, Calif.

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Allen F. Hand gets head start by planting muskmelon seed in hotbeds in April. He is shown holding band of plants ready for transplanting to the field. In his profitable rotation scheme on sandy soil melons follow alfalfa.

All photographs by Eleanor Gilman

Protecting transplanted melons against frost until June pays off in an early, quality crop. Workers are shown (right) covering the young plants with hotents in a section of the 20 acres that was alfalfa meadow the previous year.



Allen F. (left) has timetabled the crops for his light-soiled farm. The parade begins with early asparagus. Here his partner son, A. Allen, is ready to drive a quality load to market.

pay. Then he planted a trial acre of melons in alfalfa sod.

"They brought in \$250—more money at one time than I had yet seen off the farm," Hand says, "and despite the fact that half the crop was caught by fall frost."

There, of course, were many prob-

lems to solve. For example, to lengthen his season, he planted seeds the following year in veneer bands under glass. Results were dismal. Many plants damped off. The rest were sickly yellow. Finally, on a rainy June 10, he got tired waiting for them to put on the necessary growth and

disgustedly transplanted them. Evidently, the hotbed hadn't been ventilated properly. The melon plants jumped right up. Only a third of an acre, but the 400 hills brought in \$400. That was in 1927.

Out of all kinds of problems, Hand worked out the system used now. Here are its more obvious aspects.

Planting in 315 feet of hotbeds begins April 20—five seeds to each four-inch band filled with composted cow manure. For early melons, Hand favors Delicious.

Transplanting to fields starts about May 10. Hills are six feet apart, with marking done by one of the farm's three tractors. Hand simply sets the wheels that far apart, drives straight the first time, and follows the tracks.

When a band is unbuttoned and the ball is set in the hole, a pint of water is added from the truck's tank if weather has been dry. Each hill is thinned to two plants, and kept under a hotent till around June 1.

After Delicious, there's the main

crop—also started in hotbed—of Queen of Colorado. For a late crop, Hand sometimes tries out newer varieties, planting directly in the field from mid-May to June. Since field planting invites cutworm trouble, he starts with a dozen seeds per hill, later thinning to two plants.

If cutworms are bad, he uses the usual Paris green-bran-molasses position to which he adds any spoiled grapefruit. The mixture is broadcast at night, 20 pounds to the acre.

A power duster and weekly applications control other pests. For cucumber beetles, the Hands used one per cent rotenone, 20 to 25 pounds per acre, depending on plant size. In bad aphid years, they make up a dust—one pint of 40 per cent nicotine sulfate to 100 pounds hydrated lime. They control mildew with a copper dust and other fungus diseases with Zerlate.

Final result is the flood of melons beginning in August. They are trucked to the farm's packing house for sorting and crating. That's when the red-handed label is slapped on to proclaim a quality product. THE END

# *Tuning in on* MAINE'S STAR POTATO GROWER

**Congressman Clifford Guy McIntire, who hails from famed Aroostook County, has an optimistic message for all potato growers**

**By LARSTON D. FARRAR**

*Washington Correspondent, American Vegetable Grower*

**REPRESENTATIVE** Clifford Guy McIntire, a Republican from Maine now on Capitol Hill, is a man with whom vegetable growers in all parts of the nation should become acquainted—for several good reasons.

He has been cited by the University of Maine as an outstanding potato grower in that very famous potato state.

Congressman McIntire has been instrumental in getting potatoes included in the Section 32 fund program, thus giving the lowly spud a needed boost at a very critical time.

He (with his twin brother, Smith, who now actually operates the old home place) grows high-quality seed potatoes that are used by other potato growers in all parts of the nation, and particularly east of the Mississippi River. He has been noted for years for the quality of his seed potatoes, so much so that the McIntire name acquired prominence nationally long before he ever went to Congress.

As a sidelight, his present home is the building in which he attended grade school! He transformed the old school into a home when it became available for private purchase years ago. Few Americans are fortunate enough to spend all their lives in the schoolroom in which they first studied.

These, then, are the highlights of the career of soft-spoken, thick-set, blue-eyed, wavy-haired Mr. McIntire, but they do not, by any means, tell the whole story of his career, or why potato growers in every section of the country should listen to him when he speaks.

Clifford Guy McIntire was born May 4, 1908, as was his twin brother, Smith, of course. They, and a sister Flora, were the children of Frank G. McIntire, who was born in and destined to farm in the township of Perham, in Aroostook County, Maine, even before the railroad had come through to that section. Frank himself

began growing potatoes on the first few acres of land he cleared with his own hands, selling the spuds to starch factories at first, and later shipping table stock when the railroad came in.

As a matter of fact, Aroostook County was no more noted for potato growing in those days than any other county in the nation. But Clifford McIntire's life more or less parallels the

techniques change, with planting and harvesting being mechanized more and more with every passing decade. His father planted potatoes by hand and dug them by hand. Clifford cannot remember the time when he had to do either of these things without machinery.

He has seen the per-acre yield increase greatly, too, due both to the favorable soil and climate and to improved seed stock, fertilization, and other growing techniques. He is proud that, on his acres, he has averaged as high as 500 bushels to an acre. It is easy to compute the gross yield on 200 acres with that sort of a yield. Farmers in few other areas equal or surpass his potato growing prowess or that of many other Aroostook growers.



Congressman McIntire, one of the nation's best potato growers, is flanked by his son, Blynn, 19, and Everett C. Cunningham, vocational agricultural teacher at Washburn (Maine) High School since 1923. Mr. Cunningham taught farm subjects both to the Congressman and to Blynn, who is now majoring in farm subjects at the University of Maine, located at Orono.

development of the county as a potato-growing center, and, during virtually every year of his life, the amount of acreage devoted to potato growing has increased in that area. Today Maine has 156,000 acres planted in potatoes, of which 85 percent is in Aroostook County.

Too, through the years, Clifford McIntire has seen the growing tech-

After attending elementary and high school in Aroostook County, both Clifford and his twin brother attended the University of Maine, majoring in agronomy. They lived on the farm for a long while, working with their father, but in 1933 Clifford became associated with the Federal Land Bank. He worked for that organization until 1947, at which time he became as-

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sistant general manager of the Maine Potato Growers, Inc., one of the largest co-operatives in the United States, with headquarters at Presque Isle.

The McIntire family, which includes a daughter and a son, was living right well and enjoying life as potato growers *par excellence*, without dreams of political service, until the death of the Honorable Frank Fellows, who had ably represented Maine's staunchly Republican Third District in Congress for several decades, in the summer of 1951. Clifford still isn't quite sure how he became so involved personally in the race, but it was the consensus among the farmers of Aroostook that some good potato man ought to go to Washington, so he put his hat in the ring against seven opponents for the Republican nomination. He won handily, and he took office for the first time on January 8, 1952.

"I've never regretted my deciding to come to Washington," he told the writer recently. "While I have no other political ambitions, I still want to stay in Congress for a few years, because I am sincerely desirous of contributing to agriculture and the potato industry whatever service my background and experience will permit."

#### Agricultural Committee Member

He believes he was "extremely fortunate" to get a place on the coveted House Committee on Agriculture almost as soon as he came to Washington. Because his life had been spent in farming, he felt that he could render his maximum service to the nation on that committee. Time has shown that this is indeed the case. The name of McIntire has become well and favorably known in the office of the Secretary of Agriculture, as well as around Capitol Hill, where the Congressman attends committee meetings as regularly as he once fertilized his potato crops, and cultivates knowledge as assiduously as he did the spuds in Maine.

"The two big cultivation problems for Maine potato growers always have been the thick, heavy vines and the free stones in the soil," he points out. "We have been picking up rocks for decades, and likely will be for years to come. We have learned how to thin the heavy vines with chemicals, but they still are a problem.

"Our growing season is very short. It begins in June and potatoes must be out of the ground by October 10. Maine grows potatoes of all varieties, shapes, sizes, and taste, but we stick generally to the white potato varieties. Needless to say, most Maine growers are as proud of their products as they can be."

(Continued on page 12)

Today's shoppers  
buy by eye

## NEW WAX-SHINE

— a product of Johnson's Wax  
steps up eye appeal,  
protects quality



Improve the "eye-appeal" of your produce and sales increase automatically.

Vegetables that glow with garden-freshness in the store move into shopping baskets quickly... and shoppers come back another day for more. Wax-Shine creates that *just-picked* appearance that steps up sales of tomatoes, peppers, cucumbers and other fresh produce.


Wax-Shine is an odorless, tasteless wax product that adds effective sales appeal to your produce. Treated with Wax-Shine, your choice vegetables grade in the *fancy* class... and shoppers gladly pay a premium price. Wax-Shine also protects freshness during shipment, storage and display. It reduces shrinkage and increases store life. Thus, Wax-Shine offers many money-saving and profit-making advantages!

Packers, shippers, jobbers and retailers all benefit when Wax-Shine is used. It is easy and economical to apply and shines without buffing. For full information on Johnson's Wax-Shine, contact your Johnson distributor or write to:

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## 50-W

The entirely new organic fungicide for vegetables, to effectively control a variety of fungi. Bumper crops of consistently higher quality due to advantages never before combined in a single fungicide.


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early blight, late blight, anthracnose, stemphylium, septoria.

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early blight, late blight.

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angular leaf spot, anthracnose and downy mildew.

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## STAR GROWER

(Continued from page 11)

He admits readily that Maine has suffered in the past year or so, due to the drop in the potato market. He does not minimize the financial losses in his own Aroostook County, where farmers "really have taken a severe licking," in his own words.

### Free Market for Potatoes

But aside from Section 32 purchases, and perhaps marketing agreements, he is strongly in favor of a free market in potatoes, and in other farm crops.

"Except in periods of great distress, there is absolutely no reason for Uncle Sam to be interfering with the workings of the free market," he says firmly. "I think that my program has been in that direction, and I am sure it will continue to be."

While minimizing the role of government, he thinks there is plenty that farmers ought to do, individually and collectively, to improve the potato situation.

"The challenge today is in merchandising," he said. "It lies in the processed fields, in the fresh market, and in better handling of our product from beginning to end. It also lies in better handling of production patterns, so that markets will be satisfied uniformly by potatoes from various areas."

### Processed Market Holds Promise

He sees increased hope for potato growers from increased processes which use potatoes—chips, frozen french fries, and the like. As he pointed out, few prophets would dare have predicted, two decades ago, the growth of the potato chip market to its present size. And few other prophets, only a few short years ago, would have predicted the promise that the future holds for frozen french fries and other potato products.

All in all, a few conversations with Representative McIntire offer plenty of optimism to the potato growers of the nation. They can be certain, too, that in him they have an intelligent, informed, aware spokesman in a strategic spot in the government. If anybody can get to the heart of a potato problem, he is that man! **THE END**

Send 50 cents for plans of a roadside market, conveniently located so you can take care of customers quickly and easily. Plans include directions for movable racks to make it possible to maintain an attractive stand in accordance with supply and demand. Send remittance to **AMERICAN VEGETABLE GROWER**, Willoughby, Ohio.



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## 15-W and 25-W

15% and 25% wettable powders in a dustless form.

### PARAFLOW 400

An aqueous emulsion of Parathion recommended for its increased safety through elimination of the dust inhalation factor.

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A systemic insecticide available as an emulsifiable concentrate for mite and aphid control.

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## CALENDAR OF COMING MEETINGS & EXHIBITS

July 13 (10:00 AM)—Indiana State Vegetable Growers Association summer meeting, Purdue University, Lafayette.—F. C. Gaylord, Sec'y Dept. of Hort., Lafayette.

July 20—Southern Minnesota Vegetable Growers tour and field day, Hollandale.—Orrin C. Turnquist, Sec'y, MVGA, St. Paul 1.

July 22 (1:00 PM)—Muck Crops Field Day, Muck Farm, Walkerton, Ind.—F. C. Gaylord, Dept. of Hort., Lafayette.

Aug. 5—Empire State Potato Club, Inc., annual summer field day, William Meyer Farm, Gainesville, Wyoming County, N. Y.—Philip Luke, Trade Show Mgr., RFD, Fulton, N. Y.

Aug. 10-12—Ohio Pesticide Institute summer tour, beginning at Wooster and finishing in northwestern Ohio. Dinner on the 10th will commemorate 100 years of entomology.—J. D. Wilson, Sec'y, c/o Ohio Agr. Exp. Sta., Wooster.

Aug. 23-27—Centennial of Farm Mechanization, Michigan State College, East Lansing.—A. W. Farrall, Head, Agr. Engng. Dept., Mich. State College, East Lansing.

Sept. 23-25—Texas Citrus and Vegetable Growers and Shippers, Inc., annual meeting, Baker and Adolphus hotels, Dallas.—Austin E. Anson Exe. Mgr., 306 E. Jackson, Harlingen.

Sept. 28-30—Florida Fruit and Vegetable Association annual meeting, Sans Souci Hotel, Miami Beach. Association headquarters: 4401 E. Colonial Drive, Orlando.

Oct. 3-5—Produce Packaging Association 4th annual conference and exposition, The Shoreham Hotel, Washington, D. C.—Robt. A. Cooper, Exec. Sec'y, 500 Fifth Ave., New York 36, N. Y.

Nov. 2-4—Western Growers Association Annual meeting, Hotel del Coronado, Coronado, Calif. C. B. Moore, Exe. Vice-Pres., 606 South Hill St., Los Angeles 14.

Nov. 15-17—American Veneer Package Association, Park Sheraton Hotel, New York City. Association headquarters, 1225 1/2 North Orange Ave., Orlando, Fla.

Nov. 29-Dec. 2—Vegetable Growers Association of America annual convention, Syracuse, N. Y.—Joseph S. Shelly, Sec'y, 528 Mills Bldg., Washington, D. C.

Dec. 5-9—National Junior Vegetable Growers Association 20th annual convention Cincinnati, Ohio.—Grant B. Snyder, Adult Advisor, Univ. of Mass., Amherst.

**D. R. Raymond Sheldrake, Jr.**, vegetable specialist with the University of Georgia agricultural extension service since 1952, recently resigned his position to accept a post at Cornell University, Ithaca, N.Y. He began his new duties in the department of vegetable crops at Cornell on July 1.



R. Sheldrake, Jr.

Sheldrake, after three years of army service, entered Rutgers University where in 1949 he received his Bachelor of Science degree. In 1950 he received his Master of Science degree at Cornell and in 1952 his Doctor of Philosophy degree. While at Cornell he worked as research assistant in the New York State Experiment Station.

## JOHN BEAN CAN HELP YOU CUT POTATO HARVESTING COSTS 1/2



It's true. Actual cost figures kept by one Ohio grower show that the John Bean Potato Harvester saved him almost \$100 a day in labor costs alone. With 100 acres of potatoes his total labor savings for the 40-day harvesting season were more than enough to pay for the John Bean Potato Harvester itself. All this in just one season. But dollar savings through reduced labor are not all you get from a John Bean Potato Harvester . . .

### YOU GET RELEASE FROM MANPOWER SHORTAGES

A crew of 3 to 5 and the John Bean Potato Harvester will do the work of 15 to 20 hand pickers. In most cases you can harvest up to 75 acres with your regular crew — avoid the problem of hiring an "army" of pickers just when labor demand is the highest. You are sure of getting your crop to market at the most profitable time.

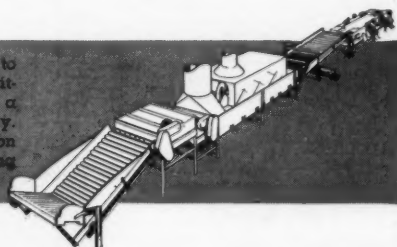
### YOU HARVEST MORE POTATOES

Crop yield can be increased by as much as 10% because the John Bean Potato Harvester gets all the potatoes. Hidden potatoes that are easily overlooked by hand pickers are delivered directly to the elevating conveyor.

### YOU GET A CLEANER, MORE PROFITABLE CROP

The conveyor belts handle potatoes gently and eliminate much of the loose dirt. Then the exclusive Bean system of mechanical separation removes stones and trash. Careful tests show that with a yield of 300 bushels per acre you will store about 138 pounds less dirt and trash per acre when you use a Bean Potato Harvester.

To reduce frost loss, and to market more profitable "kitchen clean" potatoes, use a John Bean Potato Laundry. Send for a free booklet on extra profits from cleaning and drying potatoes.



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# BUYER'S GUIDE FOR THE VEGETABLE FARM

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**SUCCESSFUL  
IN BIG  
INSTALLATIONS**

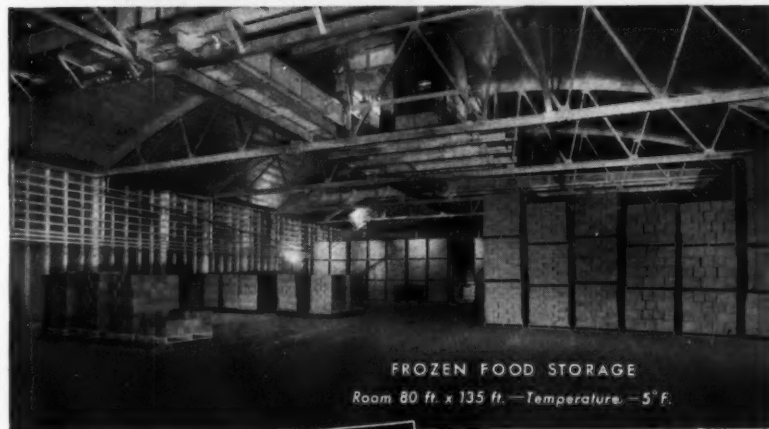
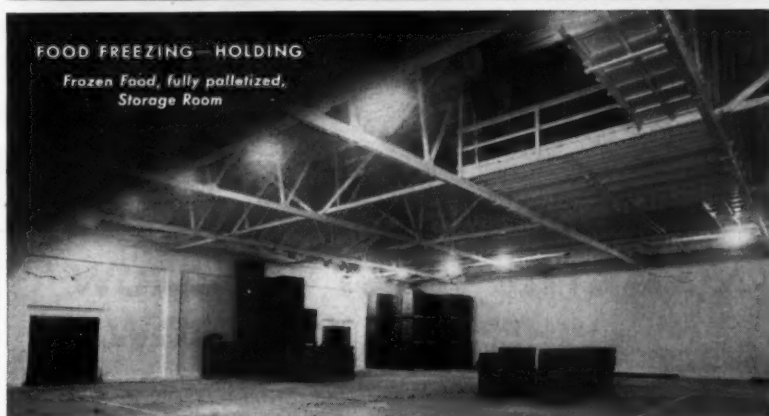


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2 Niagara Spray Coolers pre-cool 3500 boxes of pears per 24 hours—total storage capacity 40,000 boxes.

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Frozen Food, fully palletized,  
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NIAGARA "No-Frost" gives you extra capacity and better operation. It improves quality, especially in foods, where it brings the product to correct temperature faster and holds it without fluctuation. It saves money for you in the cost of power and labor. With Niagara "No-Frost" there is never any "de-frosting" loss of time or temperature rise.

Write for Bulletin 105

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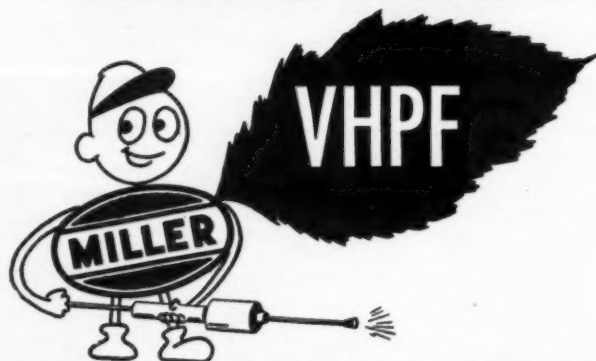
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Geigy Agricultural Chemicals, 89 Barclay St., N. Y. 8, N. Y.  
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.  
Hercules Powder Co., Wilmington, Del.  
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.  
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.  
Swift & Co., Plant Food Div., Chicago 9, Ill.  
Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.  
Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

# **FUNGICIDES**

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**AGRIMYCIN**  
Chas. Pfizer & Co., Inc., 630 Flushing Ave., Brooklyn 6, N. Y.

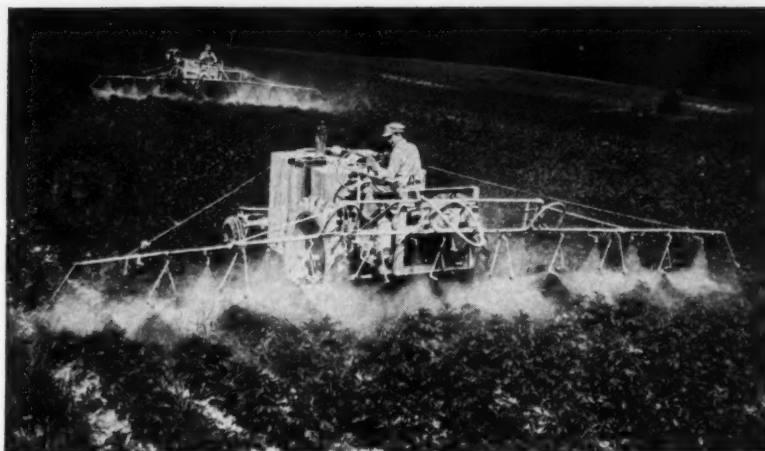
## **CAPTAN**

California Spray-Chemical Corp., Richmond, Calif.;  
Elizabeth, N. J.  
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.

## **CHLORANIL**

California Spray-Chemical Corp., Richmond, Calif.;  
Elizabeth, N. J.  
Central Chemical Corp., Hagerstown, Md.  
Geigy Agricultural Chemicals, 89 Barclay St., N. Y. 8, N. Y.  
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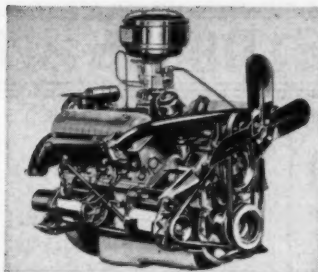
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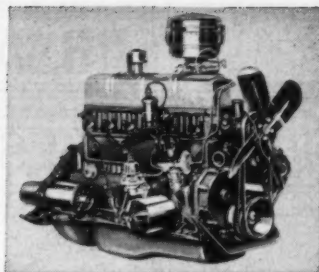
**Ford Pickup** Pickup. But just as important are the facilities investment. America's most comfortable truck cab that help driver save time... help him do a better job. of two ultra engines... The short business and seat comfort than any other standard its them... It offers more glass area than any other standard of displacement... wider opening doors, wider seat, exclusive less gas shock snubbers and non-sag seat springs among wear, longer notable features.

the job. in the big ways to save... in time-savings and low running costs... in every way to save, including low initial price and high trade-in value... the new Ford Pickup for '54 brings you a big return on your investment. See your Ford Dealer, or write: Ford Division, Ford Motor Co., Dept. T-66, Box 658, Dearborn, Mich.

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**Most efficient Pickup Six...** Ford's new 115-h.p. Cost Clipper Six. Gas-saving, short-stroke, high-compression, overhead valve, deep-block design as in all five Ford Truck engines for '54.



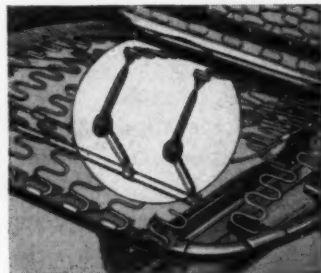
**Only Ford offers Power Braking in a Pickup truck,** at worth-while extra cost. Power brakes make stopping up to 25% easier. Pressure needed to stop won't break an ordinary light bulb.



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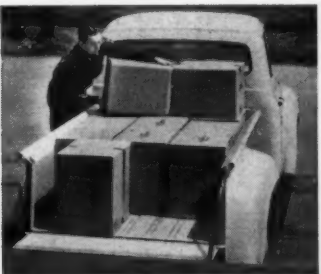
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**Exclusive Ford seat shock snubbers** soak up road shock before it gets to springs and cushion. Modern non-sag springs that retain resiliency, replace customary coils in the seat cushion.



**FORDOMATIC** saves time in stop-go work, cushions drive-line shocks, cuts maintenance. Ideal for off-road work because engine doesn't stall at low wheel speeds. Available at extra cost.



**45 cu. ft. capacity...** in one of the biggest bodies in the half-ton field. 6½ ft. long, 49 in. wide, no wheelhouse obstructions. Reinforced clamp-tight tail gate, with rubber anti-rattle strips.

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Corona Chemical Div., Pittsburgh Plate Glass Co.,  
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E. I. du Pont de Nemours & Co., Grasselli Chemi-  
cals Dept., Wilmington, Del.  
Geigy Agricultural Chemicals, 89 Barclay St., N. Y.  
8, N. Y.  
General Chemical Div., Allied Chem. & Dye Corp.,  
40 Rector St., N. Y. 6, N. Y.  
Harshaw Chemical Co., 1945 E. 97th St., Cleveland  
6, Ohio  
Hercules Powder Co., Inc., Wilmington, Del.  
Miller Chemical & Fertilizer Corp., 2226 N. Howard  
St., Baltimore 18, Md.  
Miller Products Co., Portland 1, Ore.  
Niagara Chemical Div., Food Machinery & Chemi-  
cal Corp., Middleport, N. Y.  
Pennsylvania Salt Mfg. Co. of Washington, Tacoma  
1, Wash.  
Phelps Dodge Refining Corp., 40 Wall St., N. Y.,  
N. Y.  
Phillips Bros. Chemicals, Inc., 37 Wall St., N. Y. 5,  
N. Y.  
B. G. Pratt Co., Hackensack, N. J.  
Rohm & Haas Co., 222 W. Washington Sq., Phila-  
delphia 5, Pa.  
Sherwin-Williams Co., 101 Prospect Ave., N. W.  
Cleveland 1, Ohio  
Stauffer Chemical Co., 380 Madison Ave., N. Y.  
17, N. Y. & 636 California St., San Francisco,  
Calif.  
Swift & Co., Plant Food Div., Los Angeles, Calif.;  
Winter Haven, Fla.  
Tennessee Corp., Atlanta 1, Ga.  
Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

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Carbide & Carbon Chemicals Co., Div. of Union  
Carbide & Carbon Corp., 30 E. 42 St., N. Y.  
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California Spray-Chemical Corp., Richmond, Calif.;  
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Chipman Chemical Co., Inc., Bound Brook, N. J.  
Geigy Agricultural Chemicals, 89 Barclay St., N. Y.  
8, N. Y.  
General Chemical Div., Allied Chem. & Dye Corp.,  
40 Rector St., N. Y. 6, N. Y.  
Naugatuck Chemical Div., U. S. Rubber Co.,  
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cal Corp., Middleport, N. Y.  
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1, Wash.  
Stauffer Chemical Co., 380 Madison Ave., N. Y.  
17, N. Y.

### FERBAM

Black Leaf Prod. Div., Virginia-Carolina Chem.  
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California Spray-Chemical Corp., Richmond, Calif.;  
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Central Chemical Corp., Hagerstown, Md.  
Chipman Chemical Co., Inc., Bound Brook, N. J.  
Corona Chemical Div., Pittsburgh Plate Glass Co.,  
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E. I. du Pont de Nemours & Co., Inc., Grasselli  
Chemicals Dept., Wilmington, Del.  
Geigy Agricultural Chemicals, 89 Barclay St., N. Y.  
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General Chemical Div., Allied Chem. & Dye Corp.,  
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B. F. Goodrich Chemical Co., 2060 E. 9th St.,  
Cleveland 15, O.  
Miller Chemical & Fertilizer Corp., 2226 N. Howard  
St., Baltimore 18, Md.  
Miller Products Co., Portland 1, Ore.  
Niagara Chemical Div., Food Machinery & Chemi-  
cal Corp., Middleport, N. Y.  
Pennsylvania Salt Mfg. Co. of Washington, Tacoma  
1, Wash.  
Thompson-Hayward Chemical Co., 2915 Southwest  
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E. I. du Pont de Nemours & Co., Inc., Grasselli  
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delphia 5, Pa.

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4, Ill.  
Corona Chemical Div., Pittsburgh Plate Glass Co.,  
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Gallowhur Chemical Corp., 801 2nd Ave., N. Y.  
17, N. Y.  
General Chemical Div., Allied Chem. & Dye Corp.,  
40 Rector St., N. Y. 6, N. Y.  
Niagara Chemical Div., Food Machinery & Chemi-  
cal Corp., Middleport, N. Y.  
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Central Chemical Corp., Hagerstown, Md.  
Chipman Chemical Co., Inc., Bound Brook, N. J.  
Corona Chemical Div., Pittsburgh Plate Glass Co.,  
Milwaukee, Wis.; Moorestown, N. J.  
Dow Chemical Co., Midland, Mich.  
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Chemicals Dept., Wilmington, Del.  
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Chemicals Dept., Pacific Div., El Monte, Calif.  
General Chemical Div., Allied Chem. & Dye Corp.,  
40 Rector St., N. Y. 6, N. Y.  
Miller Chemical & Fertilizer Corp., 2226 N. Howard  
St., Baltimore 18, Md.  
Miller Products Co., Portland 1, Ore.  
Niagara Chemical Div., Food Machinery & Chemi-  
cal Corp., Middleport, N. Y.  
B. G. Pratt Co., Hackensack, N. J.  
Sherwin-Williams Co., 101 Prospect Ave., N. W.,  
Cleveland 1, Ohio  
Stauffer Chemical Co., 380 Madison Ave., N. Y.  
17, N. Y.; 636 California St., San Francisco,  
Calif.  
Swift & Co., Plant Food Division, Winter Haven,  
Fla.  
Tennessee Corp., Atlanta 1, Ga.  
Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

### ZINEB

Agicide, Inc., Racine, Wis.  
California Spray-Chemical Corp., Richmond, Calif.;  
Elizabeth, N. J.  
Central Chemical Corp., Hagerstown, Md.  
E. I. du Pont de Nemours & Co., Inc., Grasselli  
Chemicals Dept., Wilmington, Del.  
Geigy Agricultural Chemicals, 89 Barclay St., N. Y.  
8, N. Y.  
Miller Products Co., Portland 1, Ore.  
Niagara Chemical Div., Food Machinery & Chemi-  
cal Corp., Middleport, N. Y.  
Thompson-Hayward Chemical Co., 2915 Southwest  
Blvd., Kansas City, Mo.

### ZIRAM

Black Leaf Prod. Div., Virginia-Carolina Chem.  
Corp., Richmond, Va.  
California Spray-Chemical Corp., Richmond, Calif.;  
Elizabeth, N. J.  
Central Chemical Corp., Hagerstown, Md.  
Corona Chemical Div., Pittsburgh Plate Glass Co.,  
Milwaukee, Wis.; Moorestown, N. J.  
E. I. du Pont de Nemours & Co., Inc., Grasselli  
Chemicals Dept., Wilmington, Del.  
Geigy Agricultural Chemicals, 89 Barclay St., N. Y.  
8, N. Y.  
General Chemical Div., Allied Chem. & Dye Corp.,  
40 Rector St., N. Y. 6, N. Y.  
B. F. Goodrich Chemical Co., 2060 E. 9th St., Cleve-  
land 15, Ohio  
Miller Chemical & Fertilizer Corp., 2226 N. Howard  
St., Baltimore 18, Md.  
Niagara Chemical Div., Food Machinery & Chemi-  
cal Corp., Middleport, N. Y.

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### AGRICULTURAL LIME

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Marble Cliff Quarries Co., Columbus, Ohio  
National Gypsum Co., Buffalo, N. Y.  
Ohio Hydrate & Supply Co., Woodville, Ohio  
Philipp Brothers Chemicals, Inc., 37 Wall St., N. Y.  
5, N. Y.  
Scioto Lime & Stone Co., Delaware, Ohio  
United States Gypsum Co., 300 W. Adams St.,  
Chicago 6, Ill.  
Warner Co., Bellefonte Div., Bellefonte, Pa.  
Woodville Lime Products Co., Toledo, Ohio

### AMMONIUM NITRATE

American Cyanamid Co., Agri. Chemicals Div.,  
30 Rockefeller Plaza, N. Y. 20, N. Y.  
Consolidated Mining & Smelting Co., 506 Marine  
Bldg., Vancouver, B. C., Canada  
Harshaw Chemical Co., 1945 E. 97th St., Cleveland  
6, Ohio  
Spencer Chemical Co., Dwight Bldg., Kansas City  
6, Mo.

### ANHYDROUS AMMONIA

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Nitrogen Div., Allied Chemical & Dye Corp., 40  
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Shell Chemical Corp., 50 W. 50th St., N. Y. 20,  
N. Y.

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Central Chemical Corp., Hagerstown, Md.  
Harshaw Chemical Co., 1945 E. 97th St., Cleveland  
6, Ohio  
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Angeles 5, Calif.  
Phillips Brothers Chemicals, Inc., 37 Wall St., N. Y.  
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American Cyanamid Co., Agri. Chemicals Div.,  
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Benson-Maclean, Bridgeton, Ind.  
International Minerals & Chemicals Corp., 20 N.  
Wacker Dr., Chicago 6, Ill.

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United States Gypsum Co., 300 W. Adams St.,  
Chicago 6, Ill.  
Whittaker Clark & Daniels, Inc., 260 W. Broadway,  
New York 13, N. Y.

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Dow Chemical Co., Midland, Mich.  
E. I. du Pont de Nemours & Co., Inc., Grasselli  
Chemicals Dept., Wilmington, Del.  
General Chemical Div., Allied Chem. & Dye Corp.,  
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Harshaw Chemical Co., 1945 E. 97th St., Cleveland  
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### AMERICAN VEGETABLE GROWER



# SPRAYS, DUSTS & FERTILIZERS

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Carus Chemical Co., La Salle, Ill.  
Central Chemical Corp., Hagerstown, Md.  
E. I. du Pont de Nemours & Co., Inc., Grasselli  
Chem. Dept., Wilmington, Del.  
Eastman Chemical Products, Inc., Kingsport, Tenn.  
Harshaw Chemical Co., 1945 E. 97th St., Cleveland  
& Ohio  
Merck & Co., Inc., Rahway, N. J.  
Miller Chemical & Fertilizer Corp., 2226 N. Howard  
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Tennessee Corp., Atlanta 1, Ga.

### NITRATE OF POTASH

Chilean Nitrate Educational Bureau, Inc., 120  
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### NITRATE OF SODA

Barrett Div., Allied Chemical & Dye Corp., 40  
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Chilean Nitrate Educational Bureau, Inc., 120  
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Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y.  
5, N. Y.  
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California Spray-Chemical Corp., Richmond, Calif.;  
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B. F. Goodrich Chemical Co., 2060 E. 9th St.,  
Cleveland 15, Ohio  
Monsanto Chemical Co., St. Louis 4, Mo.  
Niagara Chemical Div., Food Machinery & Chem-  
ical Corp., Middleport, N. Y.  
Stern's Nurseries, Geneva, N. Y.

### SOIL TESTING OUTFITS

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Sudbury Laboratory, S. Sudbury, Mass.

### SPECTROGRAPHIC LEAF ANALYSIS

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Central Chemical Corp., Hagerstown, Md.  
Consolidated Mining & Smelting Co., 506 Marine  
Bldg., Vancouver, B. C., Canada  
DeBardeleben Coal Corp., Birmingham, Ala.  
Miller Products Co., Portland 1, Ore.  
Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y.  
5, N. Y.  
Shell Chemical Corp., 50 W. 50th St., N. Y. 20,  
N. Y.  
Smith Agricultural Chem. Co., 618 N. Champion  
Ave., Columbus 16, Ohio  
Solvay Sales Div., 40 Rector St., N. Y. 6, N. Y.

JULY, 1954

## SULFUR

California Spray-Chemical Corp., Richmond, Calif.;  
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Corona Chemical Div., Pittsburgh Plate Glass Co.,  
Milwaukee, Wis.; Moorestown, N. J.  
Miller Chem. & Fertilizer Corp., 2226 N. Howard  
St., Baltimore 18, Md.  
Miller Products Co., Portland 1, Ore.  
Niagara Chemical Div., Food Machinery & Chem-  
ical Corp., Middleport, N. Y.  
Stauffer Chemical Co., 380 Madison Ave., N. Y.  
17, N. Y.; 636 California St., San Francisco, Calif.  
Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

## SUPERPHOSPHATE

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St., N. Y. 7, N. Y.  
Black Leaf Prod. Div., Virginia-Carolina Chem.  
Corp., Richmond, Va.  
Central Chemical Corp., Hagerstown, Md.  
Davison Chemical Co., 20 Hopkins St., Baltimore  
3, Md.  
Farmers Fertilizer Co., Columbus, Ohio  
Federal Chemical Co., Starks Bldg., Louisville, Ky.  
International Minerals & Chem. Corp., New York  
6, N. Y.  
Miller Products Co., Portland 1, Ore.  
Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y.  
5, N. Y.  
Standard Wholesale Phosphate & Acid Works, Inc.,  
Mercantile Trust Bldg., Baltimore, Md.  
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17,  
N. Y.; 636 California St., San Francisco, Calif.  
Summers Fertilizer Co., Inc., Stock Exchange Bldg.,  
Baltimore, Md.  
Swift & Co., Plant Food Div., Chicago 9, Ill.  
Tennessee Corp., Atlanta, Ga.

## UREA

E. I. du Pont de Nemours & Co., Wilmington, Del.  
Nitrogen Div., Allied Chemical & Dye Corp., 40  
Rector St., N. Y. 6, N. Y.

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Benson-Maclean, Bridgeton, Ind.

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Nauugatuck Chemical Div., U. S. Rubber Co.,  
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## NXY (For Berries)

Science Products Co., 1230 E. 63rd St., Chicago  
37, Ill.

## TOMATO HORMONES

Thompson Chemicals Corp., 3028 Locust St., St.  
Louis 3, Mo.; 3600 Monon St., Los Angeles 27,  
Calif.

## TRANSPLANT HORMONES

American Chemical Paint Co., Ambler, Pa.  
Thompson Chemicals Corp., 3028 Locust St., St.  
Louis 3, Mo.; 3600 Monon St., Los Angeles 27,  
Calif.

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Benson-Maclean, Bridgeton, Ind.  
California Spray-Chemical Corp., Richmond, Calif.;  
Elizabeth, N. J.  
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General Chemical Div., Allied Chem. & Dye Corp.,  
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Monsanto Chemical Co., St. Louis 4, Mo.  
John Powell & Co., Inc., One Park Ave., N. Y.  
16, N. Y.  
Prentiss Drug & Chemical Co., 110 William St.,  
N. Y. 38, N. Y.  
Stauffer Chemical Co., 380 Madison Ave., N. Y.  
17, N. Y.; 636 California St., San Francisco, Calif.  
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Wildlife Associates, Inc., Box 265, Pittsfield, N. H.

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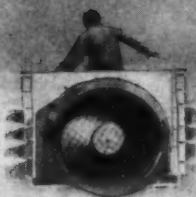
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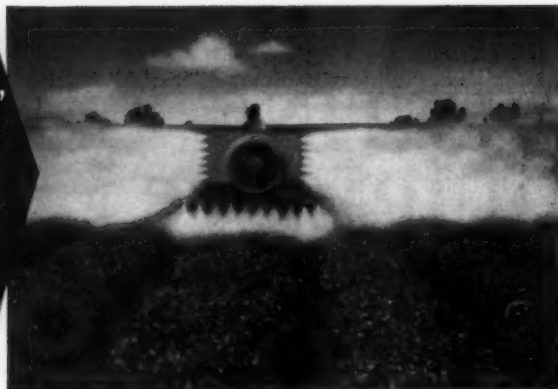
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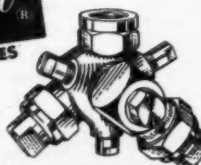
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Kimball Safety Products, 9310 Wade Park Ave.,  
Cleveland 6, Ohio  
Mine Safety Appliances Co., Pittsburgh 8, Pa.  
Niagara Chemical Div., Food Machinery & Chem-  
ical Corp., Middleport, N. Y.  
Pulmon Safety Equip. Corp., 644 Pacific Ave.,  
Brooklyn, N. Y.  
Tyson Orchard Service, Flora Dale, Pa.  
Willson Products, Inc., Reading, Pa.

### SPRAY CLOTHING

Broadway Rubber Mfg. Co., Louisville 2, Ky.  
Champion Glove Corp., 850 Metropolitan Ave.,  
Brooklyn 11, N. Y.  
Goodall Rubber Co., Whithead Rd., Trenton 4,  
N. J.  
B. F. Goodrich Co., Akron, Ohio  
Hodgman Rubber Co., Framingham, Mass.  
Hood Rubber Co., Watertown, Mass.  
Mine Safety Appliances Co., Pittsburgh 8, Pa.  
A. J. Tower Co., Vernon & Simmons St., Boston 20,  
Mass.  
United States Rubber Co., N. Y. 20, N. Y.

## ACCESSORIES

### BOOMS, MASTS, SWIVELS

Air-O-Fan Products Corp., Gilroy, Calif.  
John Bean Div., Foods Machinery & Chemical Corp.,  
Lansing, Mich.  
Besler Corp., Oakland 8, Calif.  
Cardox Corp., Bell Bldg., Chicago 1, Ill.; San Jose,  
Calif.  
Dobbins Mfg. Co., Elkhart, Ind.  
Field Force Mfg. Co., Phoenixville, Pa.  
Fitzhenry-Gupill Co., E. Cambridge, Mass.  
Friend Mfg. Co., Gasport, N. Y.  
W. L. Hamilton & Co., Bangor, Mich.  
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58,  
Calif.; Portland 9, Ore.  
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago  
11, Ill.  
The F. E. Myers & Bro. Co., Ashland, Ohio  
Oliver Corp., A. B. Farquhar Div., York, Pa.  
Prescott Garage & Mfg. Co., Orlando, Fla.  
Root-Lowell Corp., 445 N. Lake Shore Dr., Chicago,  
Ill.  
D. B. Smith & Co., Utica 2, N. Y.

### CLEANING COMPOUNDS

Harang Engineering Co., San Francisco, Calif.  
Hygienic Products Co., Canton, Ohio  
Oakite Products, Inc., 19 Rector St., N. Y. 6, N. Y.

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Twice as Fast as a Single Nozzle Device

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John Bean Div., Food Machinery & Chemical Corp.,  
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Field Force Mfg. Co., Phoenixville, Pa.  
Friend Mfg. Co., Gasport, N. Y.  
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58,  
Calif.; Portland 9, Ore.  
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago  
11, Ill.  
The F. E. Myers & Bro. Co., Ashland, Ohio  
Oliver Corp., A. B. Farquhar Div., New York, Pa.  
D. B. Smith & Co., Utica 2, N. Y.  
Sprayer Supply Mfg. Co., Grand Rapids, Mich.

### SPEEDOMETER

Frank Mfg. Co., Mentone, Ind.

### SPRAY HOSE

Agricultural Rubber Prod. Corp., 64 Park Place,  
N. Y. 7, N. Y.  
John Bacon Co., Gasport, N. Y.  
John Bean Div., Food Machinery & Chemical Corp.,  
Lansing, Mich.; San Jose, Calif.  
Broadway Rubber Mfg. Co., Louisville 2, Ky.  
DeVilbiss Co., Toledo 1, Ohio  
Dobbins Mfg. Co., Elkhart, Ind.  
Electric Hose & Rubber Co., Wilmington, Del.  
Field Force Mfg. Co., Phoenixville, Pa.  
Firestone Tire & Rubber Co., Akron, Ohio  
Friend Mfg. Co., Gasport, N. Y.  
B. F. Goodrich Co., Akron, Ohio  
Goodyear Tire & Rubber Co., Akron, Ohio  
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58,  
Calif.; Portland 9, Ore.  
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago  
11, Ill.  
Manhattan Rubber Div., Raybestos-Manhattan Inc.,  
Passaic, N. J.  
The F. E. Myers & Bro. Co., Ashland, Ohio  
Niagara Chemical Div., Food Machinery & Chem-  
ical Corp., Middleport, N. Y.  
Oliver Corp., A. B. Farquhar Div., York, Pa.  
Quaker Rubber Corp., Tacony & Conly St., Phila-  
delphia 24, Pa.  
Republic Rubber Div., Lee Rubber & Tire Corp.,  
Youngstown, Ohio  
Root-Lowell Corp., 445 N. Lake Shore Dr., Chicago  
11, Ill.  
D. B. Smith & Co., Utica 2, N. Y.  
Sprayer Supply Mfg. Co., Grand Rapids, Mich.  
Tyson Orchard Service, Flora Dale, Pa.  
United States Rubber Co., N. Y. 20, N. Y.

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protection for heavy concentrations of  
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state the service for which the mask  
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# IRRIGATION & DRAINAGE

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## COUPLINGS, PIPE

W. R. Ames Co., 150 Hooper St., San Francisco 7, Calif.; Tampa, Fla.  
Atlas Supply Div., Jones & Laughlin Supply Co., Muskogee, Okla.  
Champion Corp., Hammond, Ind.  
Chicago Metal Mfg. Co., 37th & So. Rockwell, Chicago 32, Ill.  
Farmland Irrigation Co., Inc., P. O. Box 5485, Portland 17, Oreg.  
Food Machinery & Chem. Corp., Florida Division, Lakeland, Fla.  
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.  
Irrigation Equip. Co., Inc., Eugene, Ore.  
McDowell Mfg. Co., Millvale Sta., Pittsburgh 9, Pa.  
Michigan Orchard Supply Co., South Haven, Mich.  
Moulton Irrigation Co., Withrow, Minn.  
Race & Race, Inc., Winter Haven, Fla.  
Rainway Irrigation Co., E. 2402 Trent, Spokane, Wash.  
Shur-Rane, Dept. of John Bean Western Div., Food Machy. & Chem. Corp., San Jose, Calif.  
R. M. Wade & Co., 1919 N. W. Thurman, Portland, Ore.



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## ENGINES

Allis-Chalmers Mfg. Co., 864 S. 70th St., Milwaukee 1, Wis.  
Briggs & Stratton Corp., 2711 N. 13th St., Milwaukee 1, Wis.  
J. I. Case Co., Racine, Wis.  
Caterpillar Tractor Co., Peoria, Ill.  
Chrysler Corp., Indus. Eng. Div., Detroit, Mich.  
Clinton Machine Co., Maquoketa, Iowa  
Continental Motors Corp., Muskegon, Mich.  
Deere & Co., Moline, Ill.  
Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.  
Field Force Mfg. Co., Phoenixville, Pa.  
Ford Motor Co., Dearborn, Mich.  
Frick Company, Waynesboro, Pa.  
Friend Mfg. Co., Gasport, N. Y.  
Gladden Products Corp., Glendale, Calif.  
G.M. Detroit Diesel Div., Detroit, Mich.  
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.  
Hercules Motors Corp., Canton, Ohio  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Kiekhaefer Aeromarine Motors, Fond du Lac, Wis.  
Kohler Co., Kohler, Wis.  
Lauson Co., New Holstein, Wis.  
Le Roi Co., Milwaukee, Wis.  
Motor Products Co., Grafton, Wis.  
The F. E. Myers & Bro. Co., Ashland, Ohio  
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
D. W. Onan & Sons, Inc., Minneapolis, Minn.  
United States Motors Corp., Oshkosh, Wis.  
Waukesha Motor Co., Waukesha, Wis.  
Wisconsin Motor Corp., Milwaukee 6, Wis.

## FERTILIZER INJECTORS

Dragon Engineering Co., Oakland 2, Calif.  
Michigan Orchard Supply Co., South Haven, Mich.  
Nutritional Concentrates, Inc., New Lexington, Ohio; Bakersfield, Calif.

## HOSE, EYELET

Mantle & Mantle, Painesville, Ohio

## HOSE, IRRIGATION

Agricultural Rubber Products Corp., 64 Park Place, New York, N. Y.  
The Gates Rubber Co., Sales Div., Denver 17, Colo.  
R. M. Wade & Co., 1919 N. W. Thurman, Portland 9, Ore.

## HOSE, METAL

W. R. Ames Co., 150 Hooper St., San Francisco, Calif.; Tampa, Fla.  
Champion Corp., Hammond, Ind.  
Chicago Metal Mfg. Co., 37th & Rockwell, Chicago 32, Ill.

## HOSE, POROUS

Mantle & Mantle, Painesville, Ohio  
White Showers, Inc., 17514 Woodward Ave., Detroit 3, Mich.

## HOSE, SUCTION

Agricultural Rubber Products Corp., 64 Park Place, New York, N. Y.

## MOISTURE METERS

American Crop-Drying Equipment Co., Crystal Lake, Ill.  
B. F. Klein Co., 815 Anapamu St., Santa Barbara, Calif.  
National Agri. Supply Co., Fort Atkinson, Wis.  
T. W. Prosser Co., 3695 Main St., Riverside, Calif.

## PIPE, COMPOSITION

Johns-Manville Corp., 22 E. 40 St., N. Y. 16, N. Y.  
Orangeburg Mfg. Co., Inc., Orangeburg, N. Y.

## PIPE, METAL

Albert Pipe Supply Co., Inc., Brooklyn, N. Y.  
W. R. Ames Co., 150 Hooper St., San Francisco 7, Calif.; Tampa, Fla.  
Atlas Supply Div., Jones & Laughlin Supply Co., Muskogee, Okla.  
Champion Corp., Hammond, Ind.  
Chase Brass & Copper Co., Waterbury, Conn.  
Chicago Metal Mfg. Co., 37th & So. Rockwell, Chicago 32, Ill.  
Frick Company, Waynesboro, Pa.  
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.  
Jones & Laughlin Steel Corp., Pittsburgh, Pa.  
Michigan Orchard Supply Co., South Haven, Mich.  
National Tube Co., Pittsburgh 30, Pa.  
Race & Race, Inc., Winter Haven, Fla.  
Rainbow Sales Co., Chattanooga, Tenn.  
Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio  
Revere Copper & Brass Inc., 230 Park Ave., N. Y. 17, N. Y.  
Reynolds Metals Co., Louisville, Ky.  
R. M. Wade & Co., 1919 N. W. Thurman, Portland 9, Ore.

## PIPE, PERFORATED

W. R. Ames Co., 150 Hooper St., San Francisco, Calif.; Tampa, Fla.  
Consolidated Western Steel Div., P. O. Box 2015, Los Angeles 51, Calif.  
New England Metal Culvert Co., Palmer, Mass.  
Orangeburg Mfg. Co., Inc., Orangeburg, N. Y.  
Race & Race, Inc., Winter Haven, Fla.  
R. M. Wade & Co., 1919 N. W. Thurman, Portland 9, Ore.

## PIPE, PLASTIC

Carlton Products Corp., 10225 Meech, Cleveland 5, Ohio  
Manufacturers Corp. of Ohio, Mansfield, Ohio  
R. M. Wade & Co., 1919 N. W. Thurman, Portland 9, Ore.  
Yardley Plastic Co., Columbus, Ohio

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**IRRIGATION & DRAINAGE**

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Chicago Metal  
Chicago 32, Ill.  
Commercial A  
Food Machine  
sion, Lakela  
Hardie Mfg.  
Calif.; Portl  
Irrigation Equ  
Jones & Laugh  
McDowell Mfg  
Pa.  
Michigan Orch  
Moulton Irriga  
Race & Race  
Rainbow Sales  
Rainway Irriga  
Wash.  
Republic Steel  
Ohio  
Reynolds Metal  
Veg-Acre Farm  
R. M. Wade,  
9, Oreg.

**CENTRIFUGAL**

Allis-Chalmers  
Barnes Mfg. Co.  
Byron Jackson  
Calif.  
Carver Pump Co.  
Continental Be  
Dayton Pump  
Decatur Pump  
Deming Co., So  
Demster Mill  
Gorman-Rupp  
Goulds Pumps,  
Hale Fire Pump  
Jacuzzi Bros.,  
Labee Pump &  
Marine Product  
Marlow Pumps,  
F. E. Myers &  
Parma Water I  
Peerless Pump  
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Blackmer Pump  
Carver Pump Co.  
Construction M  
Deming Co., So  
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**RAMS**

Blackhawk Mfg  
Deming Co., So  
Fairbanks-Morse  
Chicago 5, Ill.

**SH**

Albert Pipe Sup  
W. R. Ames Co  
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John Bean Divi  
Corp., San Jo  
Buckner Mfg. C  
Champion Corp  
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Colo.  
Farmland Irriga  
land 17, Oreg  
Food Machinery  
land, Fla.  
Hardie Mfg. Co  
Calif.; Portlan  
Irrigation Equip  
Jones & Laughl  
Okla.  
Lindsay Mfg. C  
McDowell Mfg.

**JULY, 1954**



# IRRIGATION AND DRAINAGE

## PIPE, PORTABLE, METAL

Aluminum Corp. of America, Pittsburgh, Pa.  
W. R. Ames Co., 150 Hooper St., San Francisco, Calif.; Tampa, Fla.  
Champion Corp., Hammond, Ind.  
Chicago Metal Mfg. Co., 37th & So. Rockwell, Chicago 32, Ill.  
Commercial Metals Treating Co., Toledo, Ohio  
Food Machinery & Chemical Corp., Florida Division, Lakeland, Fla.  
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.  
Irrigation Equip. Co., Inc., Eugene, Ore.  
Jones & Laughlin Steel Corp., Pittsburgh, Pa.  
McDowell Mfg. Co., Millvale Station, Pittsburgh 9, Pa.  
Michigan Orchard Supply Co., South Haven, Mich.  
Moulton Irrigation Co., Withrow, Minn.  
Race & Race Inc., Winter Haven, Fla.  
Rainbow Sales Co., Chattanooga, Tenn.  
Rainway Irrigation Co., 2402 E. Trent St., Spokane, Wash.  
Republic Steel Co., Republic Bldg., Cleveland 1, Ohio  
Reynolds Metals Co., Louisville, Ky.  
Veg-Acre Farms, Cape Cod, Forestdale, Mass.  
R. M. Wade & Co., 1919 N. W. Thurman, Portland 9, Ore.

## PUMPS

**CENTRIFUGAL**  
Allis-Chalmers Mfg. Co., Milwaukee, Wis.  
Barnes Mfg. Co., Mansfield, Ohio  
Byron Jackson Co., P. O. Box 2017, Los Angeles 54, Calif.  
Carver Pump Co., Muscatine, Iowa  
Continental Belton Co., Belton, Tex.  
Dayton Pump & Mfg. Co., Dayton, Ohio  
Decatur Pump Co., Decatur, Ill.  
Deming Co., Salem, Ohio  
Dempster Mill Mfg. Co., Beatrice, Nebr.  
Gorman-Rupp Co., Mansfield, Ohio  
Goulds Pumps, Inc., Seneca Falls, N. Y.  
Hale Fire Pump Co., Conshohocken, Pa.  
Jacuzzi Bros., Inc., Richmond, Calif.  
Labee Pump & Mfg. Co., Gasport, N. Y.  
Marine Products Co., 515 Lyncaster, Detroit 14, Mich.  
Marlow Pumps, Ridgewood, N. J.  
F. E. Myers & Bro. Co., Ashland, Ohio  
Parma Water Lifter Co., Parma, Idaho  
Peerless Pump Div., Food Mch. & Chem. Corp., Indianapolis, Ind.; Los Angeles 31, Calif.  
Worthington Corp., Harrison, N. J.

## DEEP WELL

Byron Jackson Co., P. O. Box 2017, Los Angeles 54, Calif.  
Deming Co., Salem, Ohio  
Dempster Mill Mfg. Co., Beatrice, Nebr.  
Goulds Pumps, Inc., Seneca Falls, N. Y.  
F. E. Myers & Bro. Co., Mansfield, Ohio  
Peerless Pump Div., Food Mch. & Chem. Corp., Indianapolis, Ind.; Los Angeles 31, Calif.  
Worthington Corp., Harrison, N. J.

## PORTABLE

Allis-Chalmers Mfg. Co., Milwaukee, Wis.  
Barnes Mfg. Co., Mansfield, Ohio  
Blackmer Pump Co., Grand Rapids, Mich.  
Carver Pump Co., Muscatine, Iowa  
Construction Mch. Co., Waterloo, Iowa  
Deming Co., Salem, Ohio  
Gorman-Rupp Co., Mansfield, Ohio  
Jabsco Pump Co., Burbank, Calif.

## TAMS

Blackhawk Mfg. Co., Milwaukee, Wis.  
Deming Co., Salem, Ohio  
Fairbanks-Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.

## SPRINKLER SYSTEMS

Albert Pipe Supply Co., Inc., Brooklyn, N. Y.  
W. R. Ames Co., 150 Hooper St., San Francisco 7, Calif.; Tampa, Fla.  
John Bean Division, Food Machinery & Chemical Corp., San Jose, Calif.  
Buckner Mfg. Co., Fresno, Calif.  
Champion Corp., Hammond, Ind.  
Chicago Metals Mfg. Co., 37 & S. Rockwell, Chicago 32, Ill.  
Farm Improvement Co., 2045 S. Holly St., Denver, Colo.  
Farmland Irrigation Co., Inc., P. O. Box 5685, Portland 17, Ore.  
Food Machinery & Chem. Corp., Florida Div., Lakeland, Fla.  
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.  
Irrigation Equipment Co., Inc., Eugene, Ore.  
Jones & Laughlin Steel Co., Supply Div., Muskogee, Okla.  
Lindsay Mfg. Co., Lindsay, Calif.  
McDowell Mfg. Co., Millvale Sta., Pittsburgh 9, Pa.

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**First with** — Overall operational safety — each unit has adequate protection controls. Standard.

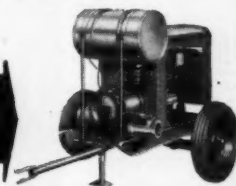
**First with** — Large drum-type fuel tank — three times usual size.

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Taylor Instrument Co., Rochester 1, N. Y.

## PLANT PROTECTORS

General Plastics Corp., Marion, Ind.  
Germain's, Hotkaps Div., Los Angeles 21, Calif.  
Faxon Products Co., P. O. Box 68, Riverside, Calif.

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W. R. Ames Co., 150 Hooper St., San Francisco 7, Calif.; Tampa, Fla.  
Buckner Mfg. Co., Fresno, Calif.  
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.  
Moulton Irrigation Co., Withrow, Minn.  
National Rain Bird Sales & Engineering Corp., Azusa, Calif.  
Perfection Sprinkler Co., Ann Arbor, Mich.  
Race & Race Inc., Winter Haven, Fla.  
Rainbow Sales Co., Chattanooga, Tenn.  
Rain Control Irrigation Co., Los Angeles, Calif.  
Rainway Irrigation Co., E. 2402 Trent, Spokane, Wash.  
Rainy Sprinkler Sales, Peoria, Ill.  
Reynolds Metals Co., 2574 So. 3rd, Louisville 1, Ky.  
Shur-Rane, Dept. of John Bean Western Div., Food Machinery & Chem. Corp., San Jose, Calif.  
Skinner Irrigation Co., Troy, Ohio  
Sodus Fruit Exchange, Sodus, Mich.  
Veg-Acre Farms, Cape Cod, Forestdale, Mass.  
R. M. Wade & Co., 1919 N. W. Thurman, Portland 9, Ore.  
White Showers, Inc., 17514 Woodward Ave., Detroit 3, Mich.

## VALVES, HYDRANT-TYPE

McDowell Mfg. Co., Millvale Station, Pittsburgh 9, Pa.  
R. M. Wade & Co., Portland 9, Ore.

## VALVES, NON-SURGE DIVERTER

Food Machinery & Chemical Corp., Florida Division, Lakeland, Fla.



# TRACTORS & TILLAGE EQUIPMENT



## CULTIVATORS—TRACTOR-DRAWN

### CHISEL TOOTH

Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee 1, Wis.  
J. I. Case Co., Racine, Wis.  
Evans Mfg. Co., Lincoln & Manchester, Anaheim, Calif.  
Pacific Div., Krouse Plow Corp., 9151 S. Painter Ave., Whittier, Calif.  
Towner Mfg. Co., Santa Ana, Calif.  
Western States Equipment Co., Golden, Colo.

### DISC

International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Massey-Harris Co., Racine, Wis.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.

### SPRING TOOTH

Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee 1, Wis.  
J. I. Case Co., Racine, Wis.  
Cockshutt Farm Equip., Ltd., Brantford, Ontario, Canada

Dempster Mill Mfg. Co., Beatrice, Nebr.  
Deere & Co., Moline, Ill.  
Farm Tools, Inc., Mansfield, Ohio  
Ferguson Mfg. Co., Inc., Suffolk, Va.  
Glencoe Mfg. Co., Glencoe, Minn.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.

Kewanee Engineering Corp., Kewanee, Wis.  
John R. Kovar Mfg. Co., Inc., Anoka, Minn.  
Lift Tools, Inc., Eau Claire, Mich.  
Massey-Harris Co., Racine, Wis.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
The Newgren Co., Butler, Pa.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Owatonna Mfg. Co., Owatonna, Minn.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.  
George White & Sons Co., Ltd., London, Canada

### TRACTOR MOUNTED

American Mfg. Co., St. Joseph, Mich.  
Baraboo Mfg. Inc., Baraboo, Wis.  
Dempster Mill Mfg. Co., Beatrice, Nebr.  
Hamill Mfg. Co., Inc., Washington, Mich.  
Hardie Mfg. Co., 200 S. Clementine, Anaheim, Calif.  
Lift Tools Inc., Eau Claire, Mich.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.  
John Williams Steel Works, Jackson, Tenn.

## CULTIVATOR SHOVELS

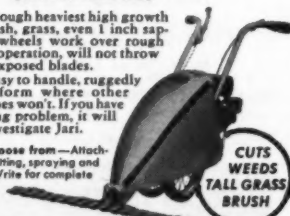
S. L. Allen & Co., Inc., 5th & Glenwood, Philadelphia 40, Pa.  
Blanton Plow Co., Inc., Rome, Ga.  
Empire Plow Co., Inc., 3140 E. 65th, Cleveland, O.  
King Plow Co., Atlanta, Ga.  
National Farm Equipment & Supply, Marion, Ind.  
Osmundson Forge Co., Webster City, Iowa  
Pittsburgh Forgings Co., Coraopolis, Pa.  
Southern Plow Co., Columbus, Ga.  
Whitaker Mfg. Co., 5719 W. 65th St., Chicago 11, Ill.

## jari POWER SCYTHE (SELF-PROPELLED)

Cuts easily through heaviest high growth of weeds, brush, grass, even 1 inch saplings. Large wheels work over rough ground. Safe operation, will not throw objects. No exposed blades.  
Jari Sr. is easy to handle, ruggedly built to perform where other power machines won't. If you have a tough cutting problem, it will pay you to investigate Jari.

3 models to choose from—Attachments for reel cutting, spraying and snow plowing. Write for complete information.

**jari PRODUCTS, INC.**  
Dept. 2936-T, Minneapolis 8, Minnesota



## FURROWERS—TRACTOR

Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee 1, Wis.  
Deere & Co., Moline, Ill.  
Earthmaster Farm Equipment, 10777 Van Owen St., Burbank, Calif.  
Evans Mfg. Co., Anaheim, Calif.  
Intercontinental Mfg. Co., Inc., Garland, Tex.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Towner Mfg. Co., Santa Ana, Calif.

## GARDEN CULTIVATORS—HAND WHEEL

S. L. Allen & Co., Inc., 5th & Glenwood, Philadelphia 40, Pa.  
Barker Mfg. Co., Inc., David City, Nebr.  
Blanton Plow Co., Rome, Ga.  
Empire Plow Co., 3140 E. 65th, Cleveland, Ohio  
Field Force Mfg. Co., Inc., Phoenixville, Pa.  
R. Herschel Mfg. Co., Peoria, Ill.  
Le Roy Plow Co., Le Roy, N. Y.  
Midland Co., South Milwaukee, Wis.  
National Farm Equipment Co., Inc., 142 Greene St., N. Y., N. Y.  
True Temper Corp., 1623 Euclid Ave., Cleveland 15, Ohio

## GARDEN CULTIVATORS—HOE, PLOW OR WEEDER

S. L. Allen & Co., Inc., 5th & Glenwood, Philadelphia, Pa.  
R. G. Bruner Mfg. Co., Ferndale, Mich.  
Empire Plow Co., Cleveland, Ohio  
Field Force Mfg. Co., Inc., Phoenixville, Pa.  
R. Herschel Mfg. Co., Peoria, Ill.  
Le Roy Plow Co., Le Roy, N. Y.  
The Midland Co., South Milwaukee, Wis.  
Roof Welding Works, Pontiac, Ill.  
Rowe Mfg. Co., Galesburg, Ill.  
True Temper Corp., 1623 Euclid Ave., Cleveland 15, Ohio

## HARROWS

### DISC

Adams Hard-Facing Co., Wakita, Okla.  
Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee 1, Wis.  
John Bacon Corp., Gasport, N. Y.  
Belle City Mfg. Co., Racine, Wis.  
John Blue Co., Inc., Huntsville, Ala.  
Buchner & Gibbs Plow Co., 6245 State Road, Philadelphia, Pa.  
Burch Plow Works, Inc., Evansville, Ind.  
J. I. Case Co., Racine, Wis.  
Cobey Corp., Galien, Ohio  
Cockshutt Farm Equip., Inc., Bellevue, Ohio  
Corl & Fleming, Inc., Fillmore, Calif.  
Deere & Co., Moline, Ill.  
Dunham Co., Berea, Ohio  
Farm Tools, Inc., Mansfield, Ohio  
Harry Ferguson, Inc., Racine, Wis.  
Fleury-Bissell Div., Elora Industries, Elora, Ont., Canada  
Freeman Mfg. Inc., 3115 E. 28th St., Minneapolis, Minn.  
Garden Tractor Sales & Service, Inc., 4276 E. Olympic Blvd., Los Angeles 23, Calif.  
Henderson Implement Co., 1012 Farnam St., Omaha 8, Nebr.  
Intercontinental Mfg. Co., Inc., Garland, Texas  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Kelly Ryan Equip. Co., Blair, Nebr.  
King Plow Co., Atlanta, Ga.  
McAdam & Sons, Barker, N. Y.  
Massey-Harris Co., Racine, Wis.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Newgren Co., Butler, Pa.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Pacific Div., Krouse Plow Corp., 9151 S. Painter St., Whittier, Calif.  
Rose Mfg. Co., Yakima, Wash.  
Smalley Mfg. Co., Manitowoc, Wis.  
Southern Plow Co., Columbus, Ga.  
Taylor Implement Mfg. Co., Athens, Tenn.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.

## HARROWS—Continued

### SPIKE TOOTH

Algoma Implement Co., 2304 University Ave., St. Paul, Minn.  
Blanton Plow Co., Inc., Rome, Ga.  
Burch Plow Works, Inc., Evansville, Ind.  
J. I. Case Co., Racine, Wis.  
Cockshutt Farm Equip., Inc., Bellevue, Ohio  
Deere & Co., Moline, Ill.  
Farm Tools, Inc., Mansfield, Ohio  
Harry Ferguson, Inc., Racine, Wis.  
J. A. Freeman & Son, 2034 N. W. 27th Ave., Portland 10, Oreg.  
Freeman Mfg. Co., Inc., 5610 W. 35th St., Minneapolis, Minn.  
Fuller Mfg. Co., Centerville, Iowa  
Hatchkiss Steel Products Co., Bradford, Ill.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Kewanee Machy & Conveyor Co., Kewanee, Ill.  
King Plow Co., Atlanta, Ga.  
John R. Kovar Mfg. Co., Inc., Anoka, Minn.  
Massey-Harris Co., Racine, Wis.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.

Refer to classified index  
on pages 14 and 15.

**MAKE GARDENING EASY!**  
SAVE TIME, SAVE WORK WITH

**Yardster**  
ROTARY TILLER

Prepare seedbed without spading; cultivate all season long without hosing!

Two 10" cog-tire wheel

Make gardening easy with the Ariens Yardster rotary tiller! Tills 12" wide, up to 6" deep. Non-winding, non-breakable steel "L" tines. Complete hood protection. 2 H. P. engine. Optional 2-speed wheel drive. Rotary mower, power sprayer and other attachments. Priced amazingly low!

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Farm Tool  
Harry Ferg  
International  
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Lift Tools  
John R. K  
McAdam  
Massey-H  
Minneapol  
Newgren  
Oliver Co  
Towner M  
Tractor a  
Birmingham

## ROTARY

Burch Plow  
J. I. Case  
Champion  
Cobey Co  
Deere & C  
Dunham C  
Farm-Rite  
Chicago  
Farm Tool  
Harry Ferg  
International  
Ave., C  
Minneapol  
Oliver Co  
L. H. Schu  
Tractor a  
Birmingham

## TRACTOR—

Allis-Chalm  
1, Wis.  
J. I. Case  
Deere & C  
Detroit Har  
26, Mich  
Harry Ferg  
International  
Ave., C  
Kosch Mfg  
Krengel M  
Falls, Ida  
Massey-Har  
Minneapol  
apolis 1,  
New Idea  
Oliver Cor  
Tractor an  
Birmingham

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James Cur  
Rochester  
Eclipse Lav  
George Tr  
Sullivan,  
Jari Produ  
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Krugger Mfg  
Iowa  
J. A. Kuku  
Omaha 1  
Moto-Mowe  
National M  
4, Minn.

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Chicken

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American Mfg. Co., St. Joseph, Mich.  
American Tractor Corp., Churubusco, Ind.  
Babcock Mfg. Co., Leonardsville, N. Y.  
J. I. Case Co., Racine, Wis.  
Cobey Corp., Gallion, Ohio  
Cockshutt Farm Equip., Inc., Bellevue, Ohio  
Deere & Co., Moline, Ill.  
Farm Tools, Inc., Mansfield, Ohio  
Harry Ferguson, Inc., Racine, Wis.  
International Harvester Co., 180 No. Michigan Ave., Chicago 1, Ill.  
Lift Tools, Inc., Eau Claire, Mich.  
John R. Kovar Mfg. Co., Inc., Anoka, Minn.  
McAdam & Sons, Barker, N. Y.  
Massey-Harris Co., Racine, Wis.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Newgren Co., Butler, Pa.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Towner Mfg. Co., Santa Ana, Calif.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.

### ROTARY

Burch Plow Works, Inc., Evansville, Ind.  
J. I. Case Co., Racine, Wis.  
Champion Mfg. Co., Newton, Iowa  
Cobey Corp., Gallion, Ohio  
Deere & Co., Moline, Ill.  
Dunham Co., Berea, Ohio  
Farm-Rite Implement Co., 4227 N. Knox Ave., Chicago, Ill.  
Farm Tools, Inc., Mansfield, Ohio  
Harry Ferguson, Inc., Racine, Wis.  
International Harvester Co., 180 No. Michigan Ave., Chicago 1, Ill.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
L. H. Schultz Mfg. Co., Rochelle, Ill.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.

### MOWERS

#### TRACTOR-POWER

Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee 1, Wis.  
J. I. Case Co., Racine, Wis.  
Deere & Co., Moline, Ill.  
Detroit Harvester Co., 2550 Guardian Bldg., Detroit 26, Mich.  
Harry Ferguson, Inc., Racine, Wis.  
International Harvester Co., 180 No. Michigan Ave., Chicago 1, Ill.  
Kosch Mfg. Co., Columbus, Nebr.  
Krengel Machine Co., Inc., P. O. Box 865, Twin Falls, Idaho  
Massey-Harris Co., Racine, Wis.  
Minneapolis-Moline Co., P. O. Box 1050, Minneapolis 1, Minn.  
New Idea Farm Equip. Co., Coldwater, Ohio  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.

#### SICKLE BAR—WALKING TYPE

Aircapitol Manufacturers, Inc., Wichita, Kans.  
James Cunningham, Son & Co., 13 Canal St., Rochester 8, N. Y.  
Eclipse Lawn Mower Co., Prophetstown, Ill.  
George Tractor Div., Community Industries Assn., Sullivan, Ill.  
Jari Products, Inc., 2938 Pillsbury Ave., Minneapolis 8, Minn.  
Kruger Mfg. Co., 208 S. 2nd Ave., Marshalltown, Iowa  
J. A. Kuler Mfg. Co., Box 25, Ames Ave. Station, Omaha 11, Nebr.  
Moto-Mower Co., Richmond, Ind.  
National Mower Co., 839 Cramwell Ave., St. Paul 4, Minn.

### Chickering's "field-tested" Vegetable Harvesting and Powered Rotary Tillage Equipment

- Self-propelled Carrot Harvester
- Trailer-type Carrot Harvester
- Blower-type Onion Harvester
- Powered Rotary Tiller

Our equipment is used and field tested on our own farms

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Belding, Michigan

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American Tractor Corp., Churubusco, Ind.  
Champion Mfg. Co., Newton, Iowa  
Choremaster Div., Weber Engineered Products, Inc., 812 Evans St., Cincinnati, Ohio  
Continental Belton Co., Belton, Tex.  
Danuser Machine Co., Fulton, Mo.  
Farm-Aid Equipment Co., 1141 E. Washington St., Indianapolis, Ind.  
Newgren Co., Butler, Pa.  
Ottawa Warner Corp., Inc., 2609 Walnut St., Kansas City, Mo.  
Roper Mfg. Co., Zanesville, Ohio  
L. H. Schultz Mfg. Co., Rochelle, Ill.  
Standard Steel Works, 16th & Howell St., No. Kansas City, Mo.  
Sunflower Industries, Inc., Olathe, Kans.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.  
Twin Drallic, Inc., Laurens, Iowa  
Von Ruden Mfg. Co., 12 Front St., Claremont, Minn.  
WinPower Mfg. Co., Newton, Iowa



Here's an excellent idea... a Wisconsin-powered garden tractor with generator attachment for operating an electric chain saw and other types of electric service.



Rotary tillage is a job that calls for dependable "Lugging Power" . . . as supplied by this single cylinder Wisconsin Air-Cooled Engine.

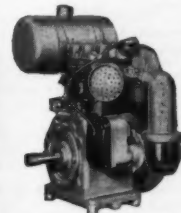


Power planting is another truck garden chore that is handled most easily and efficiently with Wisconsin Engine Power.

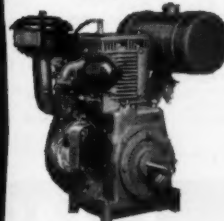
## PULVERIZERS, PACKERS, MULCHERS (CORRUGATED)

Brillion Iron Works, Inc., Brillion, Wis.  
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Cobey Corp., Gallion, Ohio  
Dunham Co., Berea, Ohio  
Farm Tools, Inc., Mansfield, Ohio  
Greenwich Mfg. Inc., Greenwich, N. Y.  
Hutchinson Foundry & Steel Co., Hutchinson, Kans.  
Minneapolis-Moline Co., P. O. Box 1050, Minneapolis, Minn.  
Newgren Co., Butler, Pa.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
T. G. Schmeiser Co., Fresno, Calif.  
Soil Tools, Inc., Petersburg, Ill.  
Sterling Foundry Co., Sterling, Ill.  
Thomas Welding & Mfg. Co., 3274 S. 99 Hiway, Fresno, Calif.  
Western Land Roller Co., Hastings, Nebr.

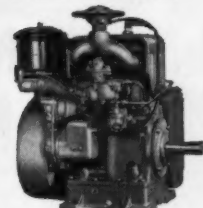
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"LUGGING-  
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that  
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4-cycle single cylinder models ABN and AKN, 3 to 6 hp.



Model AEN single cylinder, 4.5 to 8.2 hp.



Models TE and TF 2-cylinder, 7 to 15 hp.

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Air-Cooled  
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# TRACTORS AND TILLAGE EQUIPMENT

## SPREADERS

### LIME, FERTILIZERS (WHEEL)

Bloom Mfg. Co., Nashua, Iowa  
Century Engineering Corp., Cedar Rapids, Iowa  
Champion Mfg. Co., Newton, Iowa  
Deere & Co., Moline, Ill.  
Ezee Plow Div., Avco Distributing Corp., 10 S. La Salle St., Chicago 3, Ill.  
Ferguson Mfg. Co., Inc., Suffolk, Va.  
Foley & Lavish Engineering Co., 1235 S. Campbell, Chicago 8, Ill.  
E. S. Gandrud Co., Owatonna, Minn.  
Hampshire Implement Co., Hatfield, Mass.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Masters Planter Co., Benton Harbor, Mich.  
Minneapolis-Moline Co., P. O. Box 1050, Minneapolis 1, Minn.  
New Idea Farm Equip. Co., Coldwater, Ohio  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Ontario Drill Co., East Rochester, N. Y.  
Ottawa Warner Corp., Inc., 2609 Walnut, Kansas City, Mo.  
Pender Mfg. & Supply Co., Raleigh, N. C.  
Spread-All Inc., Bellevue, Ohio  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.  
R. M. Wade & Co., 1919 N. W. Thurman, Portland, Oreg.  
Winpower Mfg. Co., Newton, Iowa

### LIME, FERTILIZERS (BROADCAST)

Century Eng. Corp., Farm Equip. Div., Cedar Rapids, Iowa  
Columbus Steel Fabricating Corp., Columbus, Neb.  
Cyclone Seeder Co., Urbana 3, Ind.  
Diamond Mfg. Co., 4340 Ringgold Rd., Chattanooga, Tenn.  
Farmer Feeder Co., Inc., Cambridge City, Ind.  
Skibbe Mfg. Co., Sodus, Mich.  
Wikoni Mfg. Co., Litchfield, Ill.



## More Power for TOUGH JOBS!

Gravelly does jobs other tractors won't . . . because the 5-HP Gravelly has the extra power that makes tough jobs easy.

Proof? See the Gravelly and Rotary Plow attachment making a perfect seed-bed in one operation!

Let us show you the advantages of the Gravelly's extra power . . . all-gear drive . . . power reverse . . . your choice of 21 tools to do every mowing, gardening or upkeep job . . . faster, better, easier!



Write for FREE Booklet  
"Power vs. Drudgery"

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John Blue Co., Inc., Huntsville, Ala.  
Clark Mfg. Co., Afterton, Mo.  
Dempster Mill Mfg. Co., Beatrice, Nebr.  
Gotcher Eng. & Mfg. Co., Clarksdale, Miss.  
KBH Corp., Clarksville, Miss.  
Leland Mfg. Co., Leland, Miss.

## MANURE

J. I. Case Co., Racine, Wis.  
Cobey Corp., Galion, Ohio  
Cockshuff Farm Equip., Inc., Bellevue, Ohio  
Deere & Co., Moline, Ill.  
Farm Tools, Inc., Mansfield, Ohio  
Harry Ferguson, Inc., Racine, Wis.  
Fleury-Bissell Div., Elora Industries, Ltd., Elora, Ont., Canada  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Kelly Ryan Equip. Co., Blair, Nebr.  
Massey-Harris Co., Racine, Wis.; Batavia, N. Y.  
Minneapolis-Moline Co., P. O. Box 1050, Minneapolis 1, Minn.  
New Holland Machine Co., New Holland, Pa.  
New Idea Farm Equipment Co., Coldwater, Ohio  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.

## TILLERS

### ROTARY GARDEN

Ariens Co., Brillion, Wis.  
Bolens Products Div., Food Mach. & Chemical Co., Port Washington, Wis.  
Choremaster Div., Weber Engineered Products, Inc., 812 Evans St., Cincinnati 4, Ohio  
Cultiller Co., New Brunswick, N. J.  
Eshelman Co., 119 Light St., Baltimore 2, Md.  
Gravelly Tractor Inc., Dunbar, W. Va.  
Howard Rotavator Company, Inc., Arlington Heights, Ill.  
Merry Mfg. Co., Edmunds, Wash.  
Roto Hoe & Sprayer Co., Novelly, Ohio  
Simplicity Mfg. Co., Port Washington, Wis.  
Quick Mfg., Inc., 3240 E. Main St., Springfield, Ohio

### ROTARY SELF-PROPELLED

Ariens Co., Brillion, Wis.  
Bolens Products Div., Food Mach. & Chemical Co., Port Washington, Wis.  
Chickering Vegetable Equip. Co., Belding, Mich.  
Frazier Farm Equipment Corp., Auburn, Ind.  
Howard Rotavator Co., Inc., Arlington Heights, Ill.  
Rototiller, Inc., Troy, N. Y.  
Seaman Motors, Inc., 305 N. 25th St., Milwaukee, Wis.  
Windolph Tractor Co., 826 S. W. 21st Ave., Portland 5, Oreg.

### ROTARY TRACTOR POWER TAKE-OFF

Ariens Co., Brillion, Wis.  
Bolens Products Div., Food Mach. & Chemical Co., Port Washington, Wis.  
Chickering Vegetable Equip. Co., Belding, Mich.  
Frazier Farm Equipment Corp., Auburn, Ind.  
Howard Rotavator Co., Inc., Arlington Heights, Ill.  
Seaman Motors, Inc., 305 N. 25th St., Milwaukee, Wis.

## TRACTION DEVICES

Arps Corp., New Holstein, Wis.  
Bombardier Snowmobile Ltd., Valcourt, Que., Canada  
Hennouse Engineering Co., Marion, Ohio  
V. L. McCormack Co., 9525 Berwick, St. Louis, Mo.  
National Machine Co., 227 6th Ave. E., Des Moines, Ia.

## TRACTOR CHAINS

American Chain Div., American Chain & Cable Co., Inc., York, Pa.  
Columbus-McKinnon Chain Co., Tonawanda, N. Y.  
Horner Tractor Sales, Geneva, Ohio

## TRACTORS

### WHEEL

Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.  
Brookway Tractor Co., R. F. D. #2, Chagrin Falls, O.  
J. I. Case Co., Racine, Wis.  
Caterpillar Tractor Co., Peoria, Ill.  
Deere & Co., Moline, Ill.  
Friday Tractor Co., Hartford, Mich.  
Harry Ferguson, Inc., Racine, Wis.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Love Tractor Inc., Eau Claire, Mich.  
Massey-Harris Co., Racine, Wis.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.

## CRAWLER

Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.  
American Tractor Corp., Churubusco, Ind.  
Caterpillar Tractor Co., Peoria, Ill.  
Deere & Co., Moline, Ill.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Mead Specialties Co., 4114 N. Knox, Chicago, Ill.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Windolph Tractor Co., 828 S. 21st Ave., Portland 5, Ore.

## TRACTORS, DIESEL

Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.  
J. I. Case Co., Racine, Wis.  
Caterpillar Tractor Co., Peoria, Ill.  
Deere & Co., Moline, Ill.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Massey-Harris Co., Racine, Wis.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
R. H. Sheppard Co., Hanover, Pa.

## TRACTORS—GARDEN

### WALKING

S. L. Allen & Co., Inc., 5th & Glenwood Aves., Philadelphia 40, Pa.  
American Farm Mch. Co., 1030 33rd Ave. S. E., Minneapolis 14, Minn.  
Beaver Tractor Co., Stratford, Conn.  
Bolens Products Div., Food Machinery & Chemical Corp., Port Washington, Wis.  
Bready Tractor & Implement Co., Solon, Ohio  
Choremaster Div., Lodge & Shipley Co., Cincinnati, Ohio  
James Cunningham Son & Co., 13 Canal St., Rochester 8, N. Y.  
Engineering Products Co., Waukesha, Wis.  
Eshelman Co., 119 Light St., Baltimore Md.  
Garden-All Tractor, Inc., Liberty, Ind.  
Gravelly Tractors Inc., Dunbar, W. Va.  
Great Lakes Tractor Co., Rock Creek, Ohio  
Midland Co., S. Milwaukee, Wis.  
Ottawa Mfg. Co., Ottawa, Kans.  
Page Garden Tractor Co., Milwaukee, Wis.  
Quick Mfg. Inc., Springfield, Ohio  
Red-E Tractor Co., Richfield, Wis.  
Roths Industries, Inc., Alma, Mich.  
Shaw Mfg. Co., Galesburg, Kans.  
Simplicity Mfg. Co., Port Washington, Wis.  
Speedex Garden Tractor Co., Ravenna, Ohio  
Tiger Tractor Co., Keyser, W. Va.  
Universal Mfg. Co., Indianapolis, Ind.  
Walsh Tractor Co., Minneapolis, Minn.  
Windolph Tractor Co., 828 S. 21st Ave., Portland 5, Oreg.

### RIDING

S. L. Allen & Co., Inc., 5th & Glenwood Aves., Philadelphia 40, Pa.  
Ariens Co., Brillion, Wis.  
Beaver Tractor Co., Stratford, Conn.  
Bolens Products Div., Food Machinery & Chemical Corp., Port Washington, Wis.  
Engineering Products Co., Waukesha, Wis.  
Garden-All Tractor, Inc., Liberty, Ind.  
Gravelly Tractors Inc., Dunbar, W. Va.  
Mead Specialties Co., 4114 N. Knox, Chicago, Ill.  
National Farm Equip. Co., Inc., 142 Greene St., N. Y. 12, N. Y.  
Ottawa Mfg. Co., Ottawa, Kans.  
Pioneer Mfg. Co., 1910 S. 81st St., Milwaukee, Wis.  
Power King Tractor Co., 9246 W. Appleton Ave., Milwaukee, Wis.  
Red-E Tractor Co., Richfield, Wis.  
Roths Industries, Inc., Alma, Mich.  
Shaw Mfg. Co., Galesburg, Kans.  
Speedex Garden Tractor Co., Ravenna, Ohio  
Tiger Tractor Co., Keyser, W. Va.  
Windolph Tractor Co., 828 S. 21st, Portland, Ore.

## WEEDERS

Farm Implement Specialty Sales Co., 22516 Hoover Rd., Van Dyke, Mich.

## PLOWS

Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee 1, Wis.  
American Tractor Corp., Churubusco, Ind.  
J. I. Case Co., Racine, Wis.  
Cockshuff Farm Equip. Inc., Bellevue, Ohio  
Deere & Co., Moline, Ill.  
Farm Tools, Inc., Mansfield, Ohio  
Harry Ferguson, Inc., Racine, Wis.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Madison Plow Co., Boscobel, Wis.  
Massey-Harris Co., Racine, Wis.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Towner Mfg. Co., Santa Ana, Calif.  
Tractor & Implement Div., Ford Motor Co., 2500 E. Maple Road, Birmingham, Mich.

## AMERICAN VEGETABLE GROWER

Alis-Chal  
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John Blue  
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Ferguson  
International  
Chicago  
Massey-Ha  
Minneapolis  
Oliver Co  
  
AcmeLine  
American  
  
S. L. Allen  
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Allis-Chal  
I. Wis.  
Campbell  
J. I. Case  
Ferguson  
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wood, C  
International  
Chicago  
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Roths Indu  
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Venturi M  
  
Deere & C  
Earthmaste  
Burbank  
Ezee Flow  
Salle St  
Farmcraft  
Fort Wa  
Fleischer-S  
Holland Tr  
Madison I  
Minneapolis  
apolis  
Oliver Co  
Ottawa V  
City, M  
L. H. Schu  
Tractor a  
Birmingham  
Webb Mfg  
  
FERTIL  
  
John Blue  
Clark Mfg  
Dempster  
Gotcher E  
KBH Corp  
Leland Mf  
Pollard M  
Minn.  
Safeway M  
Taylor Ma  
  
Allis-Chal  
I. Wis.  
Deere & C  
Earthmaste  
Burbank  
Evans Mfg  
Intercont  
International  
Chicago  
Towner M  
  
S. & H. S  
Iowa.  
  
Bolens Pr  
Corp., F  
Top-All M  
  
Diltz & W  
Heberlein  
Oliver Cor  
Singer Mfg  
Troyer Mfg  
Albert E.  
Pa.  
  
JULY, 195

# PLANTING EQUIPMENT

## CORN PLANTERS

Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee, Wis.  
John Blue Co., Inc., Huntsville, Alabama  
J. I. Case Co., Racine, Wis.  
Ferguson Mfg. Co., Suffolk, Va.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Massey-Harris Co., Racine, Wis.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Oliver Corp., 400 W. Madison, Chicago 6, Ill.

## CORN PLANTERS—HAND

Acme Mfg. Co., Traverse City, Mich.  
American Planter Co., Burr Oak, Mich.

## DRILLS AND PLANTERS

S. L. Allen & Co., Inc., 5th & Glenwood, Philadelphia 40, Pa.  
Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee 1, Wis.  
Campbell-Hausfeld Co., Harrison, Ohio  
J. I. Case Co., Racine, Wis.  
Ferguson Mfg. Co., Inc., Suffolk, Va.  
Hallett Mfg. Co., 1601 W. Florence Blvd., Inglewood, Calif.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Massey-Harris Co., Racine, Wis.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
John Powell Seeder, 929 S. Armstrong St., Kokomo, Ind.  
Roths Industries, Inc., Alma, Mich.  
Southern Plow Co., Columbus, Ga.  
Venturi Mfg. Co., Oxnard, Calif.

## FERTILIZER ATTACHMENTS

Deere & Co., Moline, Ill.  
Earthmaster Farm Equipment, 10777 Van Owen St., Burbank, Calif.  
Ezee Flow Div., Avco Distributing Corp., 10 S. La Salle St., Chicago, Ill.  
Farmcraft Mfg. Co., Inc., Sheridan Rd., RFD 12, Fort Wayne, Ind.  
Fleischer-Schmid Corp., Columbus, Nebr.  
Holland Transplanter Co., Holland, Mich.  
Madison Plow Co., Boscobel, Wis.  
Minneapolis-Moline Co., P. O. Box 1050, Minneapolis, Minn.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Ottawa Warner Corp., Inc., 2609 Walnut, Kansas City, Mo.  
L. H. Schultz Mfg. Co., Rochelle, Ill.  
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.  
Webb Mfg. Co., Holtville, Calif.

## FERTILIZER INJECTORS (ANHYDROUS AMMONIA)

John Blue Co., Inc., Huntsville, Ala.  
Clark Mfg. Co., Atherton, Mo.  
Dempster Mill Mfg. Co., Beatrice, Nebr.  
Gatcher Engineering & Mfg. Co., Clarksdale, Miss.  
KBH Corp., Clarksville, Miss.  
Leland Mfg. Co., Leland, Miss.  
Pollard Mfg. Co., 2210 Foshay Tower, Minneapolis, Minn.  
Safeway Mfg. Co., Decatur, Ill.  
Taylor Machine Works, Louisville, Miss.

## FURROWERS

Allis-Chalmers Mfg. Co., Tractor Div., Milwaukee 1, Wis.  
Deere & Co., Moline, Ill.  
Earthmaster Farm Equipment, 10777 Van Owen St., Burbank, Calif.  
Evans Mfg. Co., Anaheim, Calif.  
Intercontinental Mfg. Co., Inc., Garland, Tex.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Tanner Mfg. Co., Santa Ana, Calif.

## ONION SET PLANTERS

S. & H. Set Onion Planter Co., Pleasant Valley, Iowa.

## ONION SET TOPPERS

Bolens Products Div., Food Mch. & Chemical Corp., Port Washington, Wis.  
Top-All Machine Works, South Beloit, Ill.

## POTATO CUTTERS

Diltz & Wetzel Co., Ithaca, Mich.  
Heberlein Mfg. Co., Ault, Colo.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.  
Singer Mfg. Co., Inc., Smithville, Ohio  
Trayer Mfg. Co., Smithville, Ohio  
Albert E. Trexler, Trexler, Pa.; P. O. Lenhartsville, Pa.

## POTATO PLANTERS (ONE AND TWO-ROW)

Deere & Co., Moline, Ill.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.

## TRANSPLANTERS (CABBAGE, CELERY & TOMATO)

Deere & Co., Moline, Ill.  
Elco Products Co., West Allis, Wis.  
D. R. Ellis Mfg. Co., Verona, Wis.  
General Foundry & Machine Co., Sanford, N. C.  
Griffin Tractor Co., Branford, Fla.  
N. G. Hershey, Manheim, Pa.  
Holland Transplanter Co., Holland, Mich.  
Jackson Mfg. Co., Lebanon, Tenn.  
Madison Plow Co., Boscobel, Wis.  
Mechanical Transplanter Co., 1150 S. Central Ave., Holland, Mich.  
Paul S. Neal & Son, Lebanon, Tenn.  
Oliver Corp., A. B. Farquhar Div., 400 W. Madison St., Chicago 6, Ill.  
Powell Mfg. Co., Inc., Wilson, N. C.  
Tennessee Implement Co., Inc., Athens, Tenn.

## TRANSPLANTERS—HAND

Lynchburg Planter Mfg. Co., Lynchburg, Va.

## VITA-BANDS

Bird & Son Inc., East Walpole, Mass.

## WOOD FLATS

The Kenova Box Co., Kenova, W. Va.

# SEEDS AND PLANTS

## SEEDS

Associated Seed Growers, Inc., 205 Church St., New Haven 2, Conn.  
Burgess Seed & Plant Co., Galesburg, Mich.  
W. Atlee Burpee Co., Burpee Bldg., Philadelphia 32, Pa.  
Corneli Seed Co.—Keystone seeds sold through Keystone dealers—101 Chouteau Ave., St. Louis 2, Mo.  
Farrier Plant Co., Omaha, Tex.  
Ferry Morse Seed Co., Mountain View, Calif.  
Germain Seed & Plant Co., 747 Terminal St., Los Angeles 21, Calif.  
Gill Bros. Seed Co., N. E. 99 & Halsey, Portland 16, Oreg.  
Hapgood Seed Farms, Inc., P. O. Box 547, Sacramento, Calif.  
Herbst Bros., 678 Broadway, N. Y. 12, N. Y.  
Kellogg Seed Co., Ventura, Calif.  
Letherman's, Canton 2, Ohio  
W. R. McAdams Seed & Plant Co., Nashville, Ark.  
J. Chas. McCullough Seed Co., P. O. Box 146, Cincinnati 1, Ohio  
Michael-Leonard Co., Sioux City 6, Iowa  
Northrup, King & Co., 1500 Jackson St., N. E., Minneapolis 13, Minn.  
Ritter Seed Co., Bridgeton, N. J.  
Lawrence Robinson & Sons, Modesto, Calif.  
United States Seed Co., Inc., 417 N. 3rd St., St. Louis, Mo.  
Vaughan's Seed Co., 601 W. Jackson Blvd., Chicago 6, Ill.  
F. H. Woodruff & Sons, Inc., Milford, Conn.

## SEEDS, CERTIFIED POTATO

Canadian Dept. of Trade and Commerce, Ottawa, Ont., Canada  
Clark Seed Farms, Richford, N. Y.  
Maine Development Assn., Augusta, Maine  
Maine Potato Growers, Presque Isle, Maine  
Minnesota State Dept. of Agr., Seed Potato Certification, St. Paul, Minn.  
Nebraska Certified Potato Growers, Alliance, Nebr.  
N. Y. Cooperative Seed Potato Assn., Inc., Georgetown, N. Y.  
North Dakota State Seed Dept., College Station, Fargo, N. Dak.  
South Dakota Potato Growers Assn., Watertown, S. Dak.

## SEEDS, PELLETTED

Filcoat Div., Germain Seed & Plant Co., 687 S. Clarence St., Los Angeles 23, Calif.

## VEGETABLE PLANT GROWERS

K. W. Alger, Crystal City, Tex.  
Bullack's Plant Farm, White Springs, Fla.  
Butt's Plant Farms, Thorndale, Tex.  
Condon Bros., Seedsmen, Rockford, Ill.  
W. G. Farrier Plant Co., Omaha, Tex.  
Field's Nursery, Sewell, N. J.  
C. G. Faulks Plant Farms, Amite, La.  
P. D. Fulwood, Tifton, Ga.  
Wm. C. Geraty & Co., Yoncos Island, S. C.  
W. Grossmann & Son, Petersburg, Va.  
Irrigated Plant Farms, Thorndale, Tex.  
Keller Seed Store, Shawnee, Okla.  
F. Lapomarsino & Sons, Sacramento, Calif.  
L. P. Legg, Ashburn, Ga.  
I. & J. L. Leonard, Iona, N. J.

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Frank Patterson, Hawesville, Ky.  
Geo. R. Pedrick & Sons, Pedricktown, N. J.  
Piedmont Plant Co., Albany, Ga.  
Paul F. Rochelle, Maristown, N. J.  
Fred H. Schutter, Pleasant Valley, Iowa  
Service Plant Co., Omega, Ga.  
J. W. Shreve & Son, Andalusia, Ala.  
Tidewater Plant Co., Franklin, Va.  
Van Antwerp Seed Co., Mobile, Ala.  
Vaughan's Seed Co., 601 W. Jackson Blvd., Chicago 6, Ill.  
Vickers Plant Farms, Hattiesburg, Miss.  
Vickery Plant Co., Ennis, Tex.  
T. W. Wood & Sons, Richmond, Va.  
Arle Woodard, Dongola, Ill.  
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## ASPARAGUS KNIFE

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## BAG HOLDERS

Boggs Mfg. Corp., Atlanta, N. Y. and Detroit Lakes, Minn.  
Eller Equipment Co., 635-639 Sexton Bldg., Minneapolis, Minn.  
Mitchell Corp., 121 Mathews Ave., Hagerstown, Md.  
J. A. Reese Co., 105 Lincoln St., Johnstown, Pa.

## BAGGING MACHINES

John Bean Div., Food Mch. & Chemical Corp., Lansing, Mich.  
Ernst Bros., Inc., Bakersfield, Calif.  
Hampshire Implement Co., Hatfield, Mass.  
King-Wyse, Inc., Archbold, Ohio

## BASKETS, FRUIT AND VEGETABLE

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The Marietta Fruit Pkg. & Lumber Co., Marietta, Ohio  
Producers Exchange Inc., 20-34 So. Huron St., Toledo 4, Ohio  
The Washburn Co., Worcester, Mass.

## BASKETS, STEEL

Curry Steel Products Co., Independence, Mo.  
Franklin Equipment Co., Monticello, Ia.  
WinPower Mfg. Co., Newton, Ia.

## DRAPER CHAINS

John R. Kovar Mfg., Inc., Anoka, Minn.  
Noffsinger Mfg. Co., Greeley, Colo.

## HARVESTERS—BEETS, CARROTS, RADISHES

R. G. Bruner Mfg. Co., 22516 Hoover Rd., Van Dyke, Mich.  
Chickering Vegetable Equip. Co., Belding, Mich.  
Scott Viner Co., 1224 Kinnear Rd., Columbus 8, O.

## HARVESTERS & DRY PACKERS—LETTUCE

Lickens Mfg. Co., 1981 Bellegrave Ave., Huntington Park, Calif.

## ONION TOPPERS AND HARVESTERS

R. G. Bruner Mfg. Co., 22516 Hoover Rd., Van Dyke, Mich.  
Lauridsen Mfg. Co., 514 N. 11th Ave., Greeley, Colo.

Consult Alphabetical Index  
on pages 14 and 15

## POTATO BRUSHERS AND CLEANERS

John Bean Div., Food Mch. & Chemical Corp., Lansing, Mich.  
King-Wyse Co., Inc., Archbold, Ohio  
Lockwood Graders, Inc., Gering, Nebr.  
Noffsinger Mfg. Co., Greeley, Colo.  
The Trescott Co., Inc., Fairport, N. Y.  
Troyer Mfg. Co., Smithville, Ohio

## POTATO DIGGERS (ELEVATOR & PLOW)

John Bean Div., Food Mch. & Chemical Corp., Lansing, Mich.  
Belville Mfg. Co., Shelley, Idaho  
Champion, 4714 Sheffield Ave., Hammond, Ind.  
Deere & Co., Moline, Ill.  
Dowden, Inc., Prairie City, Iowa  
International Harvester Co., 180 N. Michigan, Chicago 1, Ill.  
Agricultural Implements Div., Lincoln Steel Corp., Lincoln, Nebr.  
Massey-Harris Co., Racine, Wis. and Batavia, N. Y.  
Minneapolis-Moline Co., Minneapolis 1, Minn.  
Oliver Corp., 400 Madison, Chicago 6, Ill.  
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Sargent-Roundy Corp., Randolph, Vt.

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Delano Engineering Co., Delano, Calif.  
King-Wyse, Inc., Archbold, Ohio  
Lockwood Graders, Inc., Gering, Nebr.  
Singer Mfg. Co., Smithville, O.  
Troyer Mfg. Co., Smithville, Ohio

## POTATO GRADERS AND SORTERS

American Grain Separator Co., Minneapolis, Minn.  
John Bean Div., Food Mch. & Chemical Corp., Lansing, Mich.  
Boggs Mfg. Corp., Atlanta, N. Y. and Detroit Lakes, Minn.  
Cockshutt Farm Equip., Ltd., Brantford, Ont., Canada  
King-Wyse, Inc., Archbold, Ohio  
Lockwood Graders, Inc., Gering, Nebr.  
Paramount Mfg. Co., Stockton, Calif.  
Trescott Co., Inc., Fairport, N. Y.  
Troyer Mfg. Co., Smithville, Ohio

## POTATO PICKERS AND HARVESTERS

Agricultural Implement Div., Lincoln Steel Works, 315 W. "O" St., Lincoln, Nebr.  
John Bean Div., Food Mch. & Chemical Corp., Lansing, Mich.  
Belville Mfg. Co., Shelley, Idaho  
R. G. Bruner Mfg. Co., Farmdale, Mich.  
Dahlman Mfg. Co., Grandy, Minn.  
Lockwood Graders, Inc., Gering, Nebr.  
Noffsinger Mfg. Co., Greeley, Colo.  
Arno Schmechel & Son, Inc., Thiensville, Wis.

## POTATO WASHERS

John Bean Div., Food Mch. & Chemical Corp., Lansing, Mich.  
Buckeye Incubator Co., Springfield, Ohio  
King-Wyse, Inc., Archbold, Ohio  
Lockwood Graders, Inc., Gering, Nebr.  
Paramount Mfg. Co., Stockton, Calif.

## POTATO WAXERS

Aeroglide Corp., Raleigh, N. C.  
John Bean Div., Food Mch. & Chem. Corp., Lansing 4, Mich.  
Lobee Pump & Machinery Co., Gasport, N. Y.

## RUBBER BANDS

Alliance Rubber Co., Alliance O.; Hot Springs, Ark.  
J. E. Fricke Co., 40 N. Front St., Philadelphia 6, Pa.  
Producers Exchange Inc., 20-34 So. Huron St., Toledo 4, Ohio

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Fellins Tying Machine Co., 3351 N. 35th St., Milwaukee, Wis.  
Paramount Mfg. Co., Stockton, Calif.  
S. S. Simons Machine Works, Cornwell Heights, Pa.

## VEGETABLE GRADERS AND SORTERS

Aeroglide Corp., Raleigh, N. C.  
John Bean Div., Food Mch. & Chemical Corp., Grabill, Inc., Plant, Woodstock, Va.  
Boggs Mfg. Corp., 15 Main St., Atlanta, N. Y.  
Cardinal & Ellis, Belding, Mich.  
Ernst Bros., Inc., Bakersfield, Calif.  
Lobee Pump & Machinery Co., Gasport, N. Y.  
Parma Water Lifter Co., Parma, Ida.  
Tew Mfg. Co., Fairport, N. Y.  
The Trescott Co., Inc., Fairport, N. Y.

## VEGETABLE TOPPING MACHINES

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R. G. Bruner Mfg. Co., 22516 Hoover Rd., Van Dyke, Mich.  
Canton Containers, Inc., Canton 7, O.  
Top-All Machine Works, South Beloit, Illinois

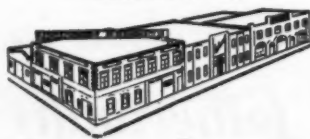
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National Bundle Tyer Co., Blissfield, Mich.

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C. H. Kroeschell Milwaukee Boiler Mfg. Co., 1101  
So. 41st St., Milwaukee, Wis.  
Lord & Burnham, Irvington, N. Y.

## GLASS PLASTIC

Corrux Div., Libby-Owens-Ford Glass Co., P. O.  
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Aluminum Greenhouses, Inc., 14615 Lorain Ave.,  
Cleveland, Ohio  
American Manager Greenhouse Mfg. Corp., 1820  
Flushing Ave., Brooklyn 6, N. Y.  
A. Dutsch Co., 2640 Sheffield Ave., Chicago 14, Ill.  
Foley Greenhouse Mfg. Co., 7711 Van Buren St.,  
Forest Park, Ill.  
Ickes-Braun Greenhouse Mfg. Co., 2320 Wabansia  
Ave., Chicago 47, Ill.  
Albert J. Lauer Co., R. R. 11, St. Paul 7, Minn.  
Lord & Burnham, Irvington, N. Y.  
Metropolitan Greenhouse Mfg. Corp., 1873 Flushing  
Ave., Brooklyn 37, N. Y.  
Modern Greenhouse Mfg. Co., 2511 Jackson St.,  
N. E., Minneapolis, Minn.  
National Greenhouse Co., Pana, Ill.; Naugatuck,  
Conn.  
Rough Bros., 4227 Spring Grove Ave., Cincinnati  
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## HAIL INSURANCE

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## HEATING CABLES

General Electric Co., Apparatus Dept., Schenectady,  
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National Assn. of Ice Industries, 1706 L St., N. W.,  
Washington 6, D. C.

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United States Motors Corp., Oshkosh, Wis.

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Louis 7, Mo.  
Hidden Springs Co., Katonah, N. Y.  
Ickes-Braun Greenhouse Mfg. Co., 2320 Wabansia  
Ave., Chicago 47, Ill.  
Zohar & Hooker, Youngstown, Ohio

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Rivers, Mich.

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setts Ave., Detroit 31, Mich.  
Dodge Div., Chrysler Corp., 7900 Joseph Campau  
Ave., Detroit 11, Mich.  
Ford Motor Co., Dearborn, Mich.  
GMC Truck & Coach Div., General Motors Corp.,  
Pontiac 11, Mich.  
International Harvester Co., 180 N. Michigan Ave.,  
Chicago 1, Ill.  
Mack Trucks Inc., 350 5th Ave., N. Y. 1, N. Y.  
Studebaker Corp., South Bend, Ind.  
White Motor Co., 842 E. 79th, Cleveland 1, Ohio  
Willis-Overland Motors, Inc., Wolcott Blvd., Toledo  
1, Ohio

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Carbide & Carbon Corp., 15 E. 41st, N. Y. 17,  
N. Y.  
Gould-National Batteries, Inc., 1st Nat'l Bk. Bldg.,  
St. Paul 1, Minn.  
National Carbon Co., Inc., 30 E. 42nd St., N. Y. 17,  
N. Y.

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Eaton Mfg. Co., 739 E. 140th St., Cleveland, Ohio

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Electric Storage Battery Co., 42 S. 15 St., Philadel-  
phia 2, Pa.  
Firestone Tire & Rubber Co., Akron, Ohio  
Gould-National Batteries, Inc., 1st Nat'l Bk. Bldg.,  
St. Paul 1, Minn.  
Prest-O-Life Battery Co., Inc., Toledo 1, Ohio  
United Motors Service, Div. of General Motors  
Corp., General Motors Bldg., Detroit 2, Mich.  
United States Rubber Co., 1230 Ave. of Americas,  
N. Y. 20, N. Y.  
Willard Storage Battery Co., 246 E. 131st St., Cleve-  
land, Ohio

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Hyatt Bearings Div., General Motors Corp., Har-  
rison, N. J.  
New Departure Mfg. Co., Bristol, Conn.  
SKF Industries, Inc., Front St. & Erie Ave., Philadel-  
phia 32, Pa.  
Timken Roller Bearing Co., Canton, Ohio

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American Chain Div., American Chain & Cable  
Co., Inc., York, Pa.  
Columbus-McKinnon Chain Co., Tonawanda, N. Y.  
Firestone Tire & Rubber Co., Akron, Ohio  
Horner Tractor Sales, Geneva, Ohio

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Perfect Circle Corp., Hagerstown, Ind.

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Champion Spark Plug Co., Toledo, Ohio  
Edison-Spittordf Corp., W. Orange, N. J.  
Electric Auto-Life Co., Toledo, Ohio  
Firestone Tire & Rubber Co., Akron, Ohio  
Fisk-Gillette Tires, 1230 Ave. of Americas, N. Y. 20,  
N. Y.

## RADIATOR CLEANERS

Climalene Co., Canton, Ohio  
Firestone Tire & Rubber Co., Akron, Ohio  
Hygienic Products Co., Canton, Ohio  
Oakite Products, Inc., 19 Rector St., N. Y. 6, N. Y.

## TIRES AND TUBES

Firestone Tire & Rubber Co., Akron, Ohio  
General Tire & Rubber Co., Akron, Ohio  
B. F. Goodrich Co., Akron, Ohio  
Goodyear Tire & Rubber Co., Inc., Akron, Ohio  
Kelly-Springfield Tire Co., Cumberland, Md.  
Mansfield Tire & Rubber Co., Mansfield, Ohio  
Pennsylvania Rubber Co., Jeannette, Pa.  
Republic Rubber Div., Lee Rubber & Tire Corp.,  
Youngstown, Ohio  
Seiberling Rubber Co., Akron, Ohio  
United States Rubber Co., 1230 Ave. of Americas,  
N. Y. 20, N. Y.

## TIRE PUMPS AND ACCESSORIES

### ADAPTERS

Firestone Tire & Rubber Co., Akron, Ohio  
Goodyear Tire & Rubber Co., Inc., Akron, Ohio  
The F. E. Myers & Bro. Co., Ashland, Ohio

## TRAILERS

Ben Hur Trailer Div., Lavine Gear Co., Milwaukee,  
Wis.  
Electric Wheel Co., Quincy, Ill.  
Mullins Mfg. Co., Salem, Ohio

# PACKAGES AND PACKAGING

## CONTAINERS

### BAGS, CLOTH, OPEN MESH, PAPER

Bakelite Co., Div. of Union Carbide & Carbon Corp., 30 E 42 St., N. Y. 17, N. Y.  
Bemis Bro. Bag Co., 111 N. 4th St., St. Louis 2, Mo.  
Chase Bag Co., 309 W. Jackson, Chicago 6, Ill.  
Cincinnati Cordage & Paper Co., E. Wayne & Scott St., Lima, Ohio  
Fulton Bag & Cotton Mills, 170 Blvd. S.E., Atlanta, Ga.  
Producer's Exchange, Inc., Toledo 4, Ohio  
St. Regis Paper Co., 230 Park Ave., N. Y. 17, N. Y.  
Union Bag & Paper Corp., Woolworth Bldg., N. Y. 7, N. Y.

### BAGS, TRANSPARENT

Central States Paper & Bag Co., Inc., 5221 Natural Bridge Ave., St. Louis 15, Mo.  
Chase Bag Co., 309 W. Jackson, Chicago 6, Ill.  
Cincinnati Cordage & Paper Co., E. Wayne & Scott St., Lima, Ohio  
Continental Can Co., Shellmar-Betner Div., Mt. Vernon, Ohio  
Denton Corp., Oakland, Calif.  
Dobackman Co., 3301 Monroe Ave. Cleveland 1, Ohio  
Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.  
Fulton Bag & Cotton Mills, 170 Blvd S.E., Atlanta 1, Ga.  
Goodyear Tire & Rubber Co., Akron, Ohio  
Howard Plastics, Inc., Council Bluffs, Iowa  
Mehl Mfg. Co., 2057 Reading, Cincinnati 2, O.  
Milprint Inc., 4200 N. Halton St., Milwaukee, Wis.  
Newark Paraffine & Parch. Paper Co., Newark 8, N. J.  
Paramount Paper Products Co., Inc., Philadelphia 30, Pa.  
Producer's Exchange, Inc., Toledo 4, Ohio  
Rice, Trew & Rice Co., Biglerville, Pa.  
The Visking Corp., Plastics Div., Terre Haute, Ind.  
Western Products Co., 201 N. Wells, Chicago, Ill.

### BASKETS, CORRUGATED, FIBERBOARD, PAPERBOARD

Ashtabula Corrugated Box Co., Ashtabula, Ohio  
Container Corp. of America, 38 S Dearborn, Chicago 3, Ill.  
F. D. Croce & Co., Inc., 386 Washington, N. Y., N. Y.  
Fibreboard Products Inc., 1789 Montgomery St., San Francisco, Calif.  
Fruit & Produce Packing Co., 700 W. Morris, Indianapolis 6, Ind.  
Gaylord Container Corp., 111 N. 4th St. Louis 2, Mo.  
Hankins Container Corp., 3044 W. 106th St., Cleveland, Ohio  
The Hinde & Dauch Paper Co., Sandusky, Ohio  
Klechefer Container Co., Delair, N. J.  
Ohio Boxboard Co., Rittman, Ohio  
Producer's Exchange, Inc., Toledo 4, Ohio  
Rice, Trew & Rice Co., Biglerville, Pa.  
Fred C. Strype, 20 Vesey St., N. Y., N. Y.  
Sutherland Paper Co., Kalamazoo, Mich.  
Wabash Fibre Box Co., Terre Haute, Ind.

### BASKETS, WOOD

American Veneer Package Assoc., Orlando, Fla.  
Barden & Robeson Corp., Lockport, N. Y.  
Berryville Basket Co., Inc., Berryville, Va.  
Frank L. Deane & Son Inc., Sodus, Mich.  
Evansville Basket & Crate Co., Evansville, Ind.  
The Marietta Fruit Pkg. & Lumber Co., Marietta, Ohio  
Marvil Package Co., Laurel, Del.  
Metropolis Basket Co., Inc., Metropolis, Ill.  
Paducah Box & Basket Co., Paducah, Ky.  
Pierce-Williams Co., South Haven, Mich.  
Producer's Exchange, Inc., Toledo 4, Ohio  
H. L. Rapp & Son, Carpentersville, N. J.  
Rio Grande Importing Co., Brownsville, Texas  
Ripley Box & Basket Co., Inc., Ripley, Tenn.  
Riverside Mfg. Co., Murfreesboro, N. C.  
Sodus Basket Co., Sodus, N. Y.  
Webster Basket Co., Webster, N. Y.

### BOXES AND CRATES, CORRUGATED, FIBERBOARD, PAPERBOARD

Alford Cartons, Ridgefield Park, N. J.  
Ashtabula Corrugated Box Co., Ashtabula, Ohio  
Atlas-Boxmakers, Inc., 5025 W. 45th St., Chicago, Ill.  
Baltimore Paper Box Co., Union & Milner, Baltimore, Md.  
Bird & Son, Inc., E. Walpole, Mass.  
Container Corp. of America, 38 S. Dearborn St., Chicago, Ill.  
Corrugated Container Co., Columbus, Ohio  
Evansville Container Co., Evansville, Ind.  
Fibreboard Products Inc., 1789 Montgomery St., San Francisco, Calif.  
Fibreboard Products (Eastern Div.) Inc., Baltimore, Md.  
Fort Wayne Corrugated Paper Co., Ft. Wayne, Ind.  
Friday Pack Containers Div., Pacific Pulp Molding Co., 2035 S. W. 58th St., Portland, Ore.

Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.  
Robert Gair Co., Inc., 155 E. 44 St., N. Y. 17, N. Y.  
Gaylord Container Corp., 111 N. 4th St. Louis 2, Mo.  
Hankins Container Corp., 3044 W. 106th St., Cleveland, Ohio  
Hinde & Dauch Paper Co., Sandusky, Ohio  
Hoerner Corp., Keokuk, Iowa  
Iowa Fiber Box Co., Keokuk, Iowa  
Ohio Boxboard Co., Rittman, Ohio  
Paige Co., 114 E. 32 St., N. Y., N. Y.  
Paisley Products, 1770 S. Canalport, Chicago 16, Ill.  
Pioneer Paper Stock Co., 436 W. Ohio, Chicago, Ill.  
Producer's Exchange, Inc., Toledo 4, Ohio  
Rice, Trew & Rice Co., Biglerville, Pa.  
Edwin J. Schoettle Co., 533 N. 11th St., Philadelphia 23, Pa.  
Simplex Paper Corp., Adrian, Mich.  
Fred C. Strype, 20 Vesey St., N. Y., N. Y.  
Sutherland Paper Co., Kalamazoo, Mich.  
Traub Box Co., 1230 E. 55th St., Cleveland, Ohio  
Union Bag & Paper Corp., Woolworth Bldg., N. Y. 17, N. Y.  
Wabash Fibre Box Co., Terre Haute, Ind.

### BOXES AND CRATES, WIREBOUND

Adkins Wirebound Box Co., Inc., Salisbury, Md.  
Continental Box Co., Inc., Houston 1, Texas  
General Box Co., 1825 Miner, Des Plaines, Ill.  
Indianapolis Wire Bound Box Co., 1300 Beecher, Indianapolis 7, Ind.  
Marinette & Menominee Box Co., Marinette, Wis.  
Package Research Laboratory, Rockaway, N. J.  
Wirebound Box Mfg. Assn., 30 N. La Salle St., Chicago 2, Ill.  
Wisconsin Box Co., Wausau, Wis.

### BOXES AND CRATES, WOOD

Aetna Bottle & Container Co., 21st & Detroit, St. Louis, Mo.  
American Veneer Package Assoc., Orlando, Fla.  
Atlas Boxmakers, Inc., 5025 W. 45 St., Chicago, Ill.  
John Bacon Co., Gasport, N. Y.  
Barden & Robeson Corp., Lockport, N. Y.  
Berryville Basket Co., Inc., Berryville, Va.  
H. A. Du Bois & Sons, Inc., Cobden, Ill.  
Evansville Container Co., Evansville, Ind.  
General Box Co., 1825 Miner, Des Plaines, Ill.  
Green Co., Inc., 10 E. 40th St., N. Y., N. Y.  
Kenova Box Co., Kenova, W. Va.  
Marinette & Menominee Box Co., Marinette, Wis.  
Mell Lumber Co., 403 Spruce St., Philadelphia, Pa.  
Miller Mfg. Co., Richmond, Va.  
National Wooden Box Assn., 402 Barr Bldg., Washington, D. C.  
New Albany Box & Basket Co., New Albany, Ind.  
New England Box Co., 100 E. 42 St., N. Y., N. Y.  
Package Research Laboratory, Rockaway, N. J.  
Producer's Exchange, Inc., Toledo 4, Ohio  
Rathborne, Hair & Ridgway Co., 1440 W. 21 Pl., Chicago 8, Ill.  
Smeed Box Co., 1878 Scranton Rd., Cleveland, Ohio  
Sodus Basket Co., Sodus, N. Y.  
Spruce Veneer Package Corp., Puyallup, Wash.  
Traub Box Co., 1230 E. 55th St., Cleveland, Ohio

### LABELS AND TAGS

American Colortype Co., Clifton, N. J.  
Bartlett Label Co., Kalamazoo, Mich.  
Brandau-Craig-Dickerson Co., Nashville, Tenn.  
Dennison Mfg. Co., Framingham, Mass.  
Fibreboard Products, Inc., 1789 Montgomery St., San Francisco, Calif.  
J. L. May Co., 121 W. 19th St., N. Y. 11, N. Y.  
Milprint Inc., 4200 N. Halton St., Milwaukee, Wis.  
A. B. Morse Co., St. Joseph, Mich.  
Reynolds Metals Co., 2500 S. 3rd St., Louisville, Ky.  
Schmidt-Lithograph Co., Second and Bryant Ave., San Francisco 7, Calif.  
Stetcher-Traung Lithograph Corp., 400 Battery, San Francisco, Calif.

### LINERS

Berryville Basket Co., Inc., Berryville, Va.  
Central States Paper & Bag Co. Inc., 5221 Natural Bridge Ave., St. Louis 15, Mo.  
Frank L. Deane & Son, Inc., Sodus, Mich.  
Evansville Container Co., Evansville, Ind.  
Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.  
Kalamazoo Vegetable Parch. Co., Parchment, Mich.  
New Albany Box & Basket Co., New Albany, Ind.  
Newark Paraffine & Parchment Paper Co., Newark 8, N. J.  
Rice, Trew & Rice Co., Biglerville, Pa.  
Fred C. Strype, 20 Vesey St., N. Y., N. Y.  
Tyson Orchard Service, Florida Dale, Pa.  
Webster Basket Co., Webster, N. Y.

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Cushman & Denison Mfg. Co., 153 W. 23rd St., N. Y. 11, N. Y.  
Kin-E-Matic Mach.-Engng. Co., Dearborn, Mich.  
Rivet-O Mfg. Co., Orange, Mass.

### STAMPING INKS AND PADS

Rivet-O Mfg. Co., Orange, Mass.  
Tyson Orchard Service, Florida Dale, Pa.

### STAMPS, RUBBER

Producer's Exchange, Inc., Toledo 4, Ohio  
Rivet-O Mfg. Co., Orange, Mass.  
Salt Lake Stamp Co., Salt Lake City, Utah  
Stampit Co., P. O. Box 1864, Memphis, Tenn.  
Tyson Orchard Service, Florida Dale, Pa.

### TRAY PACKS

Friday Pack Containers Div., Pacific Pulp Molding Co., 2035 S. W. 58th St., Portland, Ore.  
Fruit & Produce Packaging Co., 700 W. Morris, Indianapolis 6, Ind.  
Keyes Fibre Sales Corp., 420 Lexington Ave., N. Y., N. Y.  
Traver Corp., 358 W. Ontario St., Chicago, Ill.

### AMERICAN VEGETABLE GROWER

## BLOW

Allen Billmyer, Syracuse, N. Y.  
American Bl...  
32, Mich.  
Buffalo Forge  
Carrier Corp.  
Clarage Fan  
De Vilbiss Co.  
Frick Compan  
General Elect  
Ilg Electric V  
Master Fan C  
Nash-Kelvinat  
32, Mich.  
Niagara Blow  
Northern Blow  
Ohio  
Reynolds Mfg.  
Robinson Fan  
Western Blow  
Wash.  
Westinghouse  
Worthington F

Angier Corp.,  
Barrett Div.,  
Rector St.,  
Bird & Son, In  
The Philip Car  
Calotex Corp.  
The Ruberoid  
Siskraft Co.

GRAY  
See PACKING

Craine, Inc., N  
Harris Ice Man  
land, Ore.  
Jamison Cold  
Nat'l Refriger  
Truscan Steel  
York Corp., Y

Armstrong Cor  
Barrett Div., A  
St., N. Y., N.  
Bird & Son, E.  
The Philip Car  
15, Ohio

The Calotex Co.  
Certain-teed Pa  
Chamberlin Co  
32, Mich.  
Cork Insulation  
Craine, Inc., N  
Homafate Co.  
Insulate Div. of  
neapolis 2, M

Johns-Manville  
Kalamazoo Tan  
Kimberly-Clark  
Masontite Corp  
Monsanto Chem  
Mundt Cork Co  
National Cork  
Owens Corning  
Pacific Lumber  
Calif.

Reflectal Corp  
Reynolds Metal  
Ruberoid Co.,  
Servicised Prod  
cago 38, Ill.  
Siskraft Co.,  
United Cork Co  
United States  
Chicago 6  
Whittaker, Clar  
N. Y. 13, N.  
Wood Converse  
St. Paul, Minn  
Zonolite Co., I

## REFRIG

City Products C  
Col-Flake Corp  
Coolerator Co.  
Sherer-Gillette  
Nat'l. Assn. of

## STORAGES

### BLOWERS, FANS, DIFFUSORS

Allen Billmyre Div., Lamson Corp., Lamson St., Syracuse, N. Y.  
American Blower Corp., 8111 Tireman St., Detroit 32, Mich.  
Buffalo Forge Co., Buffalo, N. Y.  
Carrier Corp., 300 So. Geddes, Syracuse, N. Y.  
Clarage Fan Co., Kalamazoo, Mich.  
De Vilbiss Co., Toledo 1, Ohio  
Frick Company, Waynesboro, Pa.  
General Electric Co., Bloomfield, N. J.  
Ilg Electric Ventilating Co., Chicago, Ill.  
Master Fan Corp., Los Angeles, Calif.  
Nash-Kelvinator Corp., 14250 Plymouth Rd., Detroit 32, Mich.  
Niagara Blower Co., 405 Lexington, N. Y. 17, N. Y.  
Northern Blower Co., 6500 Barberton, Cleveland 2, Ohio  
Reynolds Mfg. Co., Comstock Park, Mich.  
Robinson Fan Corp., Gilroy, Calif.  
Western Blower Co., 1800 Airport Way, Seattle, Wash.  
Westinghouse Elec. Corp., Pittsburgh 30, Pa.  
Worthington Pump & Mch. Corp., Harrison, N. J.

### BUILDING PAPERS

Angier Corp., Framingham, Mass.  
Barrett Div., Allied Chemical & Dye Corp., 40 Rector St., N. Y. N. Y.  
Bird & Son, Inc., E. Walpole, Mass.  
The Philip Carey Mfg. Co., Cincinnati 15, Ohio  
Celotex Corp., 120 So. LaSalle, Chicago, Ill.  
The Ruberoid Co., 500 Fifth Ave., N. Y. 36, N. Y.  
Siskraft Co., 205 W. Wacker Dr., Chicago, Ill.

### CONVEYORS

#### GRAVITY—ROLLER AND WHEEL, POWER CONVEYORS—

See PACKING HOUSE EQUIPMENT

### DOORS

Craine, Inc., Norwich, N. Y.  
Harris Ice Machine Works, 61 S. E. Yamhill, Portland, Ore.  
Jamison Cold Storage Door Co., Hagerstown, Md.  
Nat'l Refrigerator Co., 827 Koeln, St. Louis, Mo.  
Truscon Steel Co., Youngstown, Ohio  
York Corp., York, Pa.

### INSULATION

Armstrong Cork Co., Lancaster, Pa.  
Barrett Div., Allied Chemical & Dye Corp., 40 Rector St., N. Y. N. Y.  
Bird & Son, E. Walpole, Mass.  
The Philip Carey Mfg. Co., Lockland, Cincinnati 15, Ohio  
The Celotex Corp., 120 S. LaSalle, Chicago 3, Ill.  
Certain-teed Products Corp., Ardmore, Pa.  
Chamberlin Co. of America, 1254 LaBrosse, Detroit 32, Mich.  
Cork Insulation Co., Inc., E. 44th St., N. Y. N. Y.  
Craine, Inc., Norwich, N. Y.  
Homacote Co., Trenton, N. J.  
Insulate Div. of Minn. & Ontario Paper Co., Minneapolis 2, Minn.  
Johns-Manville Corp., 22 E. 40th St., N. Y. 16, N. Y.  
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.  
Kimberly-Clark Corp., Neenah, Wis.  
Masonite Corp., 111 W. Washington, Chicago 2, Ill.  
Monsanto Chem. Co., 1700 S. 2nd, St. Louis 4, Mo.  
Mundt Cork Co., North Bergen, N. J.  
National Cork Company, Englewood, N. J.  
Owens Corning Fiberglass Corp., Toledo 1, Ohio  
Pacific Lumber Co., 100 Bush St., San Francisco 4, Calif.  
Reflectal Corporation, N. Y. 17, N. Y.  
Reynolds Metals Co., Louisville 1, Ky.  
Ruberoid Co., 500 Fifth Ave., N. Y. 36, N. Y.  
Servicised Products Corp., 6053 W. 65th St., Chicago 38, Ill.  
Siskraft Co., 205 W. Wacker Dr., Chicago 6, Ill.  
United Cork Companies, W. Kearny, N. J.  
United States Gypsum Co., 300 W. Adams St., Chicago 6, Ill.  
Whittaker, Clark & Daniels, Inc., 260 W. Broadway, N. Y. 13, N. Y.  
Wood Conversion Co., 1st National Bank Bldg., St. Paul, Minn.  
Zonalite Co., 135 S. LaSalle St., Chicago 3, Ill.

### REFRIGERATION AND STORAGE

City Products Corp., 33 S. Clark St., Chicago 3, Ill.  
Cool-Flake Corp., 2446 S. Ashland, Chicago 8, Ill.  
Coolerator Co., Duluth, Minn.  
Sherer-Gillette Co., Marshall, Mich.  
Nat'l. Assn. of Ice Industries, Washington 6, D. C.

### REFRIGERATION MACHINERY

Baker Refrigerator Corp., South Windham, Maine  
Brunner Mfg. Co., Utica, N. Y.  
Carrier Corp., 300 So. Geddes, Syracuse, N. Y.  
Curtis Mfg. Co., 1905 Kienlen St., St. Louis 20, Mo.  
Diceler Div. General Machine & Mfg. Co., Berwick, Pa.  
Frick Company, Waynesboro, Pa.  
Frigidaire Div., G. M. Corp., Dayton 1, Ohio  
General Electric Co., Bridgeport, Conn.  
Harris Ice Machine Works, 61 S. E. Yamhill St., Portland, Ore.  
Howe Ice Machine Co., 2825 W. Montrose Ave., Chicago, Ill.  
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.  
Kelvinator Div., Nash-Kelvinator Corp., 14250 Plymouth Rd., Detroit, Mich.  
Niagara Blower Co., 405 Lexington, N. Y. N. Y.  
Norge Div. Borg-Warner Corp., Merchandise Mart, Chicago, Ill.  
Servel, Inc., Evansville, Ind.  
Victor Products Corp., Hagerstown, Md.  
Westinghouse Electric & Mfg. Co., E. Springfield, Mass.  
Worthington Pump & Mch. Corp., Harrison, N. J.  
Yates-American Machine Co., General Refrigeration Div., Beloit, Wis.  
York Corp., York, Pa.

### VENTILATORS

The Philip Carey Mfg. Co., Lockland, Cincinnati 15, Ohio  
Craine, Inc., Norwich, N. Y.  
Ilg Electric Ventilating Co., 2873 N. Pulaski, Chicago 41, Ill.  
James Mfg. Co., Ft. Atkinson, Wis.  
Louden Machinery Co., Fairfield, Iowa

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### WOOD PRESERVING

American Fluoresit Co., Inc., 635 Rockdale Ave., Cincinnati, Ohio  
American Lumber & Treating Co., 332 S. Michigan Ave., Chicago 4, Ill.  
Barrett Div. Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.  
Cuprinol Div., Darworth, Inc., Simsbury, Conn.  
Dow Chemical Co., Midland, Mich.  
Fungitrol Chemicals Inc., Hillside, N. J.  
Koppers Co., Inc., Pittsburgh 19, Pa.  
Nuodex Products, Inc., Elizabeth, N. J.  
Planetary Chemical Co., Creve Coeur, Mo.  
The Ruberoid Co., 500 Fifth Ave., N. Y. 36, N. Y.  
Thompson Chemicals Corp., 3600 Monon St., Los Angeles, Calif.  
Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

### FRUIT GROWER'S CATALOG

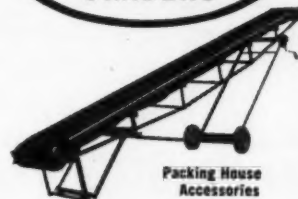
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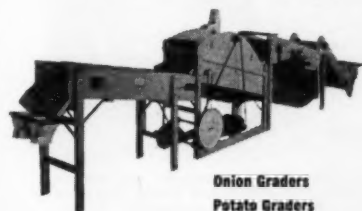
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Brushers  
Conveyors



**TEW Manufacturing Corp.**  
Friend and Trescott  
FAIRPORT, N. Y.



# PACKING HOUSE EQUIPMENT

## CONVEYORS

### GRAVITY—ROLLER AND WHEEL

Arrow Products, 417 Front St., Grand Rapids, Mich.  
John Bean Div., Food Machinery & Chemical Corp.,  
Lansing, Mich.; San Jose, Calif.  
Burrows Equipment Co., 1316 Sherman Ave., Evans-  
ton, Ill.  
E. W. Buschman Co., Clifton & Spring Grove, Cin-  
cinnati, Ohio  
Chisholm-Ryder Co., Inc., Niagara Falls, N. Y.  
Durand Co., Woodbury, Ga.  
Food Machinery & Chemical Corp., Packing Equip-  
ment Div., Riverside, Calif.  
Lamson Corp., Lamson St., Syracuse 1, N. Y.  
Link-Belt Co., 307 N. Michigan Ave., Chicago 1, Ill.  
Mathews Conveyor Co., Ellwood City, Pa.  
Metzgar Co., 412 Douglas N. W., Grand Rapids 4,  
Mich.  
Oliver Corporation, A. B. Farquhar Division, York,  
Pa.  
Rapids-Standard Co., Inc., 194 Trowbridge St.,  
N. W., Grand Rapids 2, Mich.  
Standard Conveyor Co., N. St. Paul, Minn.  
Tew Mfg. Corp., Fairport, N. Y.  
Trescott Co., Inc., Fairport, N. Y.  
Troyer Mfg. Co., Smithville, Ohio

### POWER

Aeroglide Corp., Raleigh, N. C.  
American Conveyor Co., 115 W. Adams, Chicago,  
Ill.  
John Bean Div., Food Machinery & Chemical Corp.,  
Lansing, Mich.; San Jose, Calif.  
Burrows Equipment Co., 1316 Sherman Ave., Evans-  
ton, Ill.  
E. W. Buschman Co., Clifton & Spring Grove, Cin-  
cinnati, Ohio  
Durand Co., Woodbury, Ga.  
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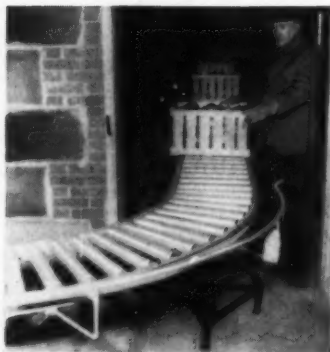
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